

20010208.qrp v02_n092.qrl.20010208

Date: Thu, 8 Feb 2001 19:03:11 EST

From: qrp-1@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: QRP-L digest 2092

QRP-L Digest 2092

Topics covered in this issue include:

- 1) [90903] FOX: ET's Official Notice for Tomorrow
by "Marshall Emm" <mgemm@mtechnologies.com>
- 2) [90904] Bill in Texas threat to ham antennas, HB 1148
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 3) [90905] RE: OT plastic rod
by "Ed Tanton" <n4xy@att.net>
- 4) [90906] Antenna Charge Buildup
by Larry East <w1hue@amsat.org>
- 5) [90907] water proof box.
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [90908] Weight of BLT
by "Charles Mabbott" <crmabbott@mediaone.net>
- 7) [90909] Re: 72 vs 73
by Rick Sealey <rsealey@northstate.net>
- 8) [90910] FOX, February 6 Fox Hunt Log rev 1
by Ron D Doyle <n8var@juno.com>
- 9) [90911] FOX: Report for Feb 6 fox hunt comments by the fox (n8var), Log to follow
by Ron D Doyle <n8var@juno.com>
- 10) [90912] Re: [fpqrp] FOX, February 6 Fox Hunt Log rev 1
by wb8icn1@juno.com
- 11) [90913] Re: RF/AF gain and AGC
by moglesto@ecentral.com
- 12) [90914] This List
by "Karl F. Larsen" <k5di@zianet.com>
- 13) [90915] Book for Sale
by Ken Brown <n4so@juno.com>
- 14) [90916] Re: DVM's \$4.99!
by "Bob Tellefsen" <n6wg@earthlink.net>
- 15) [90917] Flying Pigs T Shirt Offer!!
by "Brian Murrey" <bmurrey@amexol.net>
- 16) [90918] [FOX] Cub Fox is LOUD
by "Michael Melland" <badger@vbe.com>
- 17) [90919] Re: Armed and Dangerous
by "John A. Evans - N0HJ" <jaevas@codenet.net>
- 18) [90920] FS Antenna tuners
by SKIPNC90@aol.com

- 19) [90921] K1 Goes On 30 Meters
by DYARNES@aol.com
- 20) [90922] [TMPS] The Thrill of Victory
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 21) [90923] Re: [FOX] Cub Fox is LOUD
by Jeff Stai WK6I <jstai@home.com>
- 22) [90924] Re: 72 vs 73 and a request
by rich a <rckchp@home.com>
- 23) [90925] AGC and RF Gain Controls (long)
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 24) [90926] Bad signals
by "Ron, KU7Y" <ku7y@qsl.net>
- 25) [90927] FT817 Review with Pics
by "George Heron N2APB" <n2apb@erols.com>
- 26) [90928] Re: [TMPS] The Thrill of Victory
by Bryn Joynes <bryn@pcpractice.com>
- 27) [90929] RE: HW-8
by "Adrian Weiss" <aweiss@usd.edu>
- 28) [90930] YK1A -- 30m 10.115.2
by "Adrian Weiss" <aweiss@usd.edu>
- 29) [90931] Re: 72 vs 73 and a request
by "W7TRX" <w7trx@mindspring.com>
- 30) [90932] Re: RS \$19.99 DC Supply
by Allen Jones <w9dz@yahoo.com>
- 31) [90933] Re: 72 vs 73 and a request
by "John L. Sielke" <w2agn@pobox.com>
- 32) [90934] 2001 ARRL DX contest
by Sam Smith <sam.smith@ece.gatech.edu>
- 33) [90935] Re: 72 vs 73 and a request
by "John L. Sielke" <w2agn@pobox.com>
- 34) [90936] Re: AGC and RF Gain Controls (long)
by Bradfield Brad-P53117 <Brad.Bradfield@motorola.com>
- 35) [90937] [TMPS] Gray Line Effect
by John R Kirby <n3aaz-qrp@juno.com>
- 36) [90938] Parts Help
by Joseph Mikuckis <k3chp@erols.com>
- 37) [90939] [CONTEST] QRP Contest Calendar
by Ken Newman <N2CQ@citnet.com>
- 38) [90940] Interesting experiments w/ filters
by Nils R Young <nilsbull@juno.com>
- 39) [90941] Re: Parts Help
by "Rod Cerkoney" <n0rc@hotmail.com>
- 40) [90942] Re: Interesting experiments w/ filters
by ad4ih@juno.com
- 41) [90943] Re: [fpqrp] 30m antennas
by N10DL@aol.com
- 42) [90944] RE: Antenna Charge Buildup
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>

- 43) [90945] RE: "Progressing" Progressive Receiver
by "AI2Q Alex" <ai2q@adelphia.net>
- 44) [90946] FS: or trade: Not quite working HW-7
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
- 45) [90947] Lightning concerns
by Bill Lazure <n2tpa@juno.com>
- 46) [90948] not quite qrp
by Richard Rood <fcsww@juno.com>
- 47) [90949] Help with Keyer / Paddles
by George Reeves <greeves@emory.edu>
- 48) [90950] RE: 2001 ARRL DX contest
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 49) [90951] FS: or trade: Not quite working HW-7... spoken for
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
- 50) [90952] RE: Help with Keyer / Paddles
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 51) [90953] Re: YK1A -- 30m 10.115.2
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 52) [90954] Re: Lightning concerns
by Richard Matthews <prm@hiwaay.net>
- 53) [90955] [HB] Colpitts output voltage peaking.
by KG4DXE@netscape.net (Kelly & Tammie McDonald)
- 54) [90956] Re: Lightning concerns
by "Russ Hines" <radioruss@fuse.net>
- 55) [90957] Re: Lightning concerns
by "W7TRX" <w7trx@mindspring.com>
- 56) [90958] Re: Info about FT817
by Mike <mmorrow@companet.net>
- 57) [90959] Re: 2001 ARRL DX contest
by Jeff Stai WK6I <jstai@home.com>
- 58) [90960] NE602 WHERE OH WHERE?
by "DONALD G. DORN" <DDORN@CWIS.NET>
- 59) [90961] Re: [fpqrp] 30m antennas
by Curt Milton <wb8yyy@yahoo.com>
- 60) [90962] Re: NE602 WHERE OH WHERE?
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 61) [90963] Klunky Server
by "James P. Osburn, P.E." <osburn@mach500.net>
- 62) [90964] Re: YK1A -- 30m 10.115.2
by Bruce Muscolino <w6toy@erols.com>
- 63) [90965] Progressive Receiver Update
by Ed Kessler <edkess@epix.net>
- 64) [90966] paddles
by ac5ez@webtv.net (Larry)
- 65) [90967] New SMT Kit
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 66) [90968] MP-1 Antenna
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>

- 67) [90969] Re: Lightning concerns
by Bruce Muscolino <w6toy@erols.com>
- 68) [90970] WBL V22 Paddle SOLD, and other things...
by "James Parsons" <res075cz@gte.net>
- 69) [90971] FET's that heal themselves???
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 70) [90972] RE: Lightning concerns
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
- 71) [90973] N0IT 2/6 Cub Fox Hunt: Final Log
by Dave Sjolin <sjolin@swbell.net>
- 72) [90974] Re: Lightning concerns
by "Ron Ochu" <rochu01@mail.win.org>
- 73) [90975] Re: Lightning concerns
by Dave Sjolin <sjolin@swbell.net>
- 74) [90976] Re: 72 vs 73
by "Chuck Carpenter" <w5usj@globeco.net>
- 75) [90977] TT2 Beacon tonight
by "Chuck Carpenter" <w5usj@globeco.net>
- 76) [90978] Re: MP-1 Antenna
by Phil Wheeler <w7ox@earthlink.net>
- 77) [90979] current consumption in FT817???
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 78) [90980] Re: Lightning concerns
by <igeq100@iupui.edu>
- 79) [90981] Re: RF/AF gain and AGC
by "Ron, KU7Y" <ku7y@qsl.net>
- 80) [90982] Re: FET's that heal themselves???
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 81) [90983] Re: FET's that heal themselves???
by "George, W5YR" <w5yr@att.net>
- 82) [90984] Re: FET's that heal themselves???
by "ZOOM" <kandrparker@sympatico.ca>
- 83) [90985] re:[HB] Colpitts output voltage peaking.
by KG4DXE@netscape.net (Kelly & Tammie McDonald)
- 84) [90986] SA602AN Parts in Stock
by John Arnold <arnoldas@pacbell.net>
- 85) [90987] Re: FET's that heal themselves???
by Bruce Muscolino <w6toy@erols.com>
- 86) [90988] Re: Lightning concerns
by "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>
- 87) [90989] Re: FET's that heal themselves???
by Bruce Muscolino <w6toy@erols.com>
- 88) [90990] Re: FET's that heal themselves???
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 89) [90991] RE: Lightning concerns
by Michael Melland <badger@vbe.com>
- 90) [90992] Light Dimmers and RFI
by Ken Brown <n4so@juno.com>

- 91) [90993] DX - Rites of Spring @2050Z
by david gauding <david.gauding@bbs.galilei.com>
- 92) [90994] RE: [TMPS] Gray Line Effect
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 93) [90995] RE: Lightning concerns
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 94) [90996] Newbie wants to get started in QRP----
by Rod Eng <RENG@kimcontrols.com>
- 95) [90997] Re: Lightning concerns
by Rick Robinson <rerobins@email.uncc.edu>
- 96) [90998] DX - Rites of Spring - Eratta
by david gauding <david.gauding@bbs.galilei.com>
- 97) [90999] Re: Newbie wants to get started in QRP----
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 98) [91000] Re: [TMPS] Gray Line Effect
by "Victor Blackwell" <victor@brecnet.com>
- 99) [91001] RE: Lightning concerns
by Richard Matthews <prm@hiwaay.net>
- 100) [91002] RE: Lightning concerns
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 101) [91003] Introducing.....
by n5ib@juno.com
- 102) [91004] Results of THE FEBRUARY SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 103) [91005] FOX: W8RU Cub Fox Hunt #33 Preliminary Log & Comments
by Ron Majewski <majewski@erim-int.com>
- 104) [91006] NE 602/NE 612
by "DONALD G. DORN" <DDORN@CWIS.NET>
- 105) [91007] Re: Lightning concerns
by Bill ROWLETT <kc4atu@yahoo.com>
- 106) [91008] Re: Newbie wants to get started in QRP----
by "Don Wilhelm" <w3fpr@arrl.net>
- 107) [91009] Re: RF/AF gain and AGC
by "Dan W. Dooley" <dandooley@pipeline.com>
- 108) [91010] Re: 72 vs 73
by Bill Coleman <aa4lr@arrl.net>
- 109) [91011] Re: Newbie wants to get started in QRP----
by Richard Matthews <prm@hiwaay.net>
- 110) [91012] RE: Lightning concerns
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 111) [91013] OT: Graupel
by "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>
- 112) [91014] RE: Graupel
by <schoon@amgt.com>
- 113) [91015] Re: Introducing.....
by "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>
- 114) [91016] RE: Lightning concerns
by "Paul Harden, NA5N" <na5n@rt66.com>

- 115) [91017] Re: RF/AF gain and AGC
by "Victor Blackwell" <victor@brecnet.com>
116) [91018] Lightning Strikes
by Euramcom <mel@euramcom.freemove.co.uk>
117) [91019] RE: MP-1 Antenna
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
118) [91020] Re: [CW] CW Questions...
by "Victor Blackwell" <victor@brecnet.com>
119) [91021] RE: Lightning concerns
by Mike Gipe <mgipe@reliablemeters.com>
120) [91022] HF Mobile Antenna Mount
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
121) [91023] Re: Graupel
by david fouchey <dafouchey@home.com>
122) [91024] FT-817 vs TS-50
by "Mark Fancher" <mmfancher@earthlink.net>
123) [91025] Re: Graupel
by Tim Soxman <tims@hhs.net>
124) [91026] Re: Graupel
by "Victor Blackwell" <victor@brecnet.com>
125) [91027] Re: FT-817 vs TS-50
by Phil Wheeler <w7ox@earthlink.net>

Date: Wed, 7 Feb 2001 17:10:18 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [90903] FOX: ET's Official Notice for Tomorrow
Message-ID: <3A81817A.17555.1C12741@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

{ SEQ CHAPTER \h \r 1}ET will be phoning home tomorrow night.... catch me if you can! I'm throwing down the gauntlet, and am determined to hand out as many pelts as possible. How many is that? Given propagation and an adequate pack of hounds, I bet I can hand out 200 pelts easy. Larry, N2WW, is a friend, and a fellow Big Dawg, but his record is begging to be beaten. All I need is a little help from you guys!

If you haven't worked a fox before-- please try! I'll tell you everything you need to know, and guarantee you my best efforts to work you regardless of your speed, experience, or signal strength. It won't necessarily be easy, but please DON'T give up-- I've worked hounds in the last ten minutes that had been trying all night. The only way to be sure you won't get a pelt is to give up early.

OK... on with the formalities... I'll be the FOX tomorrow evening. That's Thursday, for two hours from 7pm MST (6pm PST, 8pm CST, 9pm EST), here in the US. Or 0200Z Friday for those of you outside these longitudes, and I do hope to hear you!.

I'll be poking my head out of the den somewhere around 7.042, depending on conditions and QRM.

Here are some "procedural notes" that are designed to GUARANTEE you a pelt--

I will be sending my exchange fast-- but you don't have to send fast, unless you can and want to. My exchange will be:

559 CO ET 5W

--and I will usually send your (the hound's) call before AND after the exchange. In other words a typical exchange from me will be K0EVZ TU 559 CO ET 5W K0EVZ BK. The theory is that you will hear my exchange many times, and it's even printed here, so all you really have to listen for is your own callsign which will usually be sent slower.

In previous hunts I have had some success sending my exchange at 35-40wpm, then slowing down to send the hound's call. I have also been known to run short LISTS. For example I might acknowledge DOC then immediately send to another station. So please listen to what I am doing-- it might be YOU who I am calling!

Please send your call ONCE, and spread out away from my transmitting frequency. Please avoid operating zero-beat with my transmitting frequency if you can. I will listen up and down as far as I need to, possibly as much as 3 or 4 KHz, but remember the onus is on you not to interfere with other QSOs. The reason for asking you to call once and keep away from my transmitting frequency is that when there are many stations calling, I will probably be working a station before you can send your call a second time, so repeating your call is just going to cause QRM for the exchange that is underway. Later, if you hear me calling CQ or QRZ? it will be a different story. There are no hard and fast rules, and I will adapt my technique as needed and you can certainly do the same.

Please don't repeat your information! If I don't copy your entire exchange I will ask for a repeat in the form of CALL?, ST? (state), NAME?, PWR?. Or just AGN? if I need the whole exchange. Repeating your info just takes extra time which could cost someone else a pelt. If I get your callsign wrong be sure to send it correctly. I will try to acknowledge the correction but if you hear me send just TU you can be pretty sure I got it.

Please be patient-- I do WANT to give you a pelt, and if I can hear you I will work you eventually. I was thinking about suggesting that some of you wait till the second hour, but propagation can change so much that a station that is heard in the first hour might be impossible the second. Main thing is to remember that if I haven't called you after several tries you should NOT give up. Patience pays off!

I'll be using the OHR500 running 5W to a Force-12 C4 at 40'. Backup rig is the OHR100A, which I will also use for listening a bit farther afield when I need to, and backup antenna is the GAP Titan. I'll use the CMOS III keyer, Schurr Profi paddle, and external SCAF filter as needed. I have more backup keyers and paddles than I can list [g]. I'll be logging on paper and transcribing later.

I've prepared a special QSL card for the fox hunt, so if you need or want CO just send me your card.

In the immortal words of our first Prez, George WA, "It is a fine day for a fox chase, my boys."

Good hunting, and may the Fox be with you!

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Wed, 7 Feb 2001 18:25:50 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-l@Lehigh.EDU>
Subject: [90904] Bill in Texas threat to ham antennas, HB 1148
Message-ID: <007201c09165\$b0aa2940\$4e100a0a@rohredt2000>

Just when you thought it was safe to put up that antenna, the Texas legislature has gone into session. Although we have a PRB 1 pre-emption State bill, as well as PRB-1, now comes a gentleman who wanted to regulate all wireless communications antennas, towers and whips! He obviously did not do his homework. He wrote HB 1148, to regulate wireless communications.

If you want a reply I wrote to his office protesting inclusion of Amateur Radio, in violation of 2000 Federal Congressional Law signed last year, which REQUIRES wireless state laws to specifically exempt amateur Radio Antennas, please email me.

I have circulated my comments to AQRP list, Houston QRP Club members, and ARRL, thus it is going to be widely available. The League President has

called the legislator, and Chris Imlay, League attorney has been advised of this bill, and what it says.

But, if you are in Tx other than NorTX, and Central, and Houston, you may want to know what is up.

72, Stuart K5KVH

Date: Wed, 7 Feb 2001 19:34:19 -0500
From: "Ed Tanton" <n4xy@att.net>
To: <ac5ez@webtv.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90905] RE: OT plastic rod
Message-ID: <CKEGICNFDIMCEKEDCEHF0EBCFPAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Larry... Small Parts, Inc. at www.smallparts.com has all sorts of "plastic" rods: ABS, Ceramic, Delrin, Nylon, Polycarbonate, Porous Polyethylene, & Teflon. My friend Allen Bond, WB4GNT at www.mgs4u.com has very nice solid fiberglass rods in all sorts of diameters-as well as tubing. My personal choice for your project-and most others requiring an insulated rod-is fiberglass.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 07 Feb 2001 17:38:50 -0700
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [90906] Antenna Charge Buildup
Message-ID: <3.0.5.32.20010207173850.009ab460@mail.ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From a recent post:

>

>The ticking was coming from my antenna tuner. I have a 500 foot
>long "dipole" that on most bands I feed as a T to the longwire
>input on my tuner. Want to guess where i had left it connected.
>I am not sure where things were arcing but I took a insulated
>screw driver and was able to get a arc rate that matched the
>ticking between the antenna lug and ground. It wasn't a huge
>arc mind you but it was definitely visible. Somewhere between
>1/64 and 1/32 of an inch in lenght. Maybe between 1000-2000 volts?
>

There is a very simple cure for this problem -- other than making sure your antenna is disconnected and grounded -- that has been posted several times on this list. But it is certainly worth repeating for newcomers to the list: Make sure that there is a DC path from the antenna to ground, either in the form of a balun transformer, RF choke or a resistor. A 10K 1/2 W carbon or metal film resistor from the "hot" lead of the antenna (center lead of coax, etc.) to ground will bleed-off charge build-up nicely and not effect the antenna feed impedance. However, a resistor to ground certainly will NOT give any protection from lightning strikes, so you should STILL ground your antenna(s) when there is any chance for thunder-boomers.

72/73

Larry W1HUE

Date: Wed, 7 Feb 2001 18:47:16 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <ae5x@netscape.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [90907] water proof box.
Message-ID: <00ae01c09168\$af311670\$4e100a0a@rohredt2000>

How about a deep box, inverted with open side down? You need to do that or provide a drain and weep hole because of condensation. Hammond who are in the distributors like Allied , Newark, etc., make gasketed plastic boxes, and Electrical supply houses have them now for outdoor outlets, and electrical gear.

72,

Stuart k5KVH

Date: Wed, 7 Feb 2001 19:53:38 -0500
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90908] Weight of BLT
Message-ID: <GAECLOGOMILPLBGKKPEGGEHCCDAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Let me see, depending on how many slices of tomatoes,
the bread is a couple of ounces and the lettuce may
add another few ounces. The bacon may contribute some
depending on whether it is drained or not, I am guessing
about 4 to 7 ounces..... 8^)

73 ES oo
Chuck AA8VS

Date: Wed, 07 Feb 2001 19:55:21 -0500
From: Rick Sealey <rsealey@northstate.net>
To: qrp-1@lehigh.edu
Subject: [90909] Re: 72 vs 73
Message-ID: <4.1.20010207194410.0096f390@mail.northstate.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Paul,

This is really no big deal, just a QRP version of 73, and there's nothing
official about it. It has been used rather lightheartedly around this list
(and elsewhere) for quite a few years and was merely intended to add to the
comraderie of what was at one time a much smaller group. I don't know who
originated it, but it smites (pun) just a little of Chuck. Perhaps some of
the original list members can shed some light on its origination. Use
whichever you like, most of us will appreciate either one (and understand
your intent.)

Rick - W4SEA
High Point, NC

At 10:17 AM 02/07/2001 -0600, you wrote:
>Hi Gang,
>
>I have been a ham since 1956. I just started QRP about a year ago.

>
>Excuse my ignorance, but can someone please explain the term 72??
>I see it on the list all the time and hear it on the air more and more.
>What is the difference from the old term 73??
>
>Thanks,
>Paul, K5HKX in Texas

Date: Wed, 7 Feb 2001 20:03:25 -0500
From: Ron D Doyle <n8var@juno.com>
To: qrp-l@lehigh.edu, fpqrp-l@mpna.com, QFOX@egroups.com
Subject: [90910] FOX, February 6 Fox Hunt Log rev 1
Message-ID: <20010207.200335.-278023.1.n8var@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Here is my first shot at the log for my first time up at the Winter Fox.
I have verified as much as I can. There are 2 calls I couldn't find
mostly 'cause I can't read the log very well. It looked OK when I wrote
it but I have now slept since then and everythings changed. :) Please
verify and let me know if I butchered something up bad.

UTC	Call	RST	SPC	Name	Pwr
2:04	W0UFO		559	MN	Bill 5w
2:05	N4ROA		579	VA	Dan 4w
2:06	N8IE	599	OH	Dan	5w
2:07	K10J	559	TX	OJ	5w
2:08	N8PIG		599	OH	Dan 5w
2:09	W0PWE		599	IA	Jer 5w
2:11	K5AAR		559	OK	Don 5w
2:12	VE3FAL		599	ONT	Fred 5w
2:13	K0MP	559	CO	Bill	5w
2:14	K4ADI		559	SC	Fank 5w
2:17	KK5LD		559	TX	Dan 5w
2:19	N1LN	579	TX	Bruce	5w
2:20	WA9TZE		559	WI	Jim 5w
2:22	K5LN	559	TX	Bill	5w
2:23	W0CH	559	MO	Dave	5w
2:24	K0EVZ		559	ND	Doc 2w
2:26	N5TW	599	TX	Tom	5w
2:27	K9IUA		559	IL	Kevin 5w
2:29	K3IU	559	RI	Ken	5w
2:30	N5ET	559	TX	Bob	5w

2:31	WE9K	559	WI	Glenn	5w	
2:32	K4GT	559	GA	Jim	5w	
2:33	AE9K	559	WI	Brian	1w	
2:34	W9XU	559	WI	Lon	5w	
2:35	N9KW	559	IL	John	4w	
2:37	AB8DF	569	MI	ED	5w	
2:38	N1FN	559	CO	ET	5w	
2:40	W5SB	559	TX	Bill	5w	
2:41	AC5JH	559	OK	Tom	5w	
2:42	N9AW	559	WI	Jerry	5w	
2:44	N0UR	579	MN	Jim	5w	
2:45	KB9BVN	559	IN	Brian	5w	
2:47	K5VUU	559	TX	Ed	5w	
2:49	KQ5U	559	TX	Terry	5w	
2:51	K4BYF	559	FL	Jack	5w	
2:52	K4FB	559	FL	Paul	5w	
2:54	NK9G	559	WI	Rick	5w	
2:55	AF4PS	559	FL	Mac	4w	
2:57	N2CQ	579	NJ	K	5w	
2:58	W5YR	559	TX	George	5w	
2:59	K0FPR	579	CO	Al	5w	
3:01	KS4L	549	AL	Randy	5w	
3:03	N2WW	559	CO	Larry	5w	
3:05	WB8ICN	589	MI	Ken	5w	
3:07	KC1FB	559	CT	Jim	5w	
3:08	WS4S	559	TN	Conard	4w	
3:10	W3ERU	559	MD	Wes	5w	
3:11	N0AR	559	MN	Scott	4w	
3:12	K5ZTY	559	TX	Bill	5w	
3:13	W0RSP	559	SD	Ade	2w	
3:14	N4VM	559	TN	Bryn	5w	
**3:16	N2ZHY	559	NC	Dave	5w	
3:18	N4SO	599	AL	Ken	5w	
3:19	AF4LQ	559	KY	Mike	5w	
3:21	VA6RF	559	AB	Earl	5w	
3:22	NK7M	559	AZ	Bob	5w	
3:25	W3PNL	599	PA	Joe	3w	
3:26	AA2PF	559	NY	Dave	5w	
3:27	K6VNX	559	CA	Arlen	5w	
3:29	K3NG	559	PA	Goody	5w	
3:32	N5EN	559	TX	Steve	5w	
3:32	N1TP	559	FL	Tom	5w	
3:34	K0PC	559	MN	Pat	5w	
3:35	K5EOA	559	LA	Wayne	5w	
3:36	NC90	559	IL	Skip	2w	
3:37	KI0II	559	CO	Ron	5w	
3:38	W0JOE	559	MO	Joe	5w	
3:39	WU9F	559	WI	Terry	5w	

3:41 NQ7X 559 AZ Floyd 5w
 3:42 WB8WTU 559 OH Dennis 5w
 3:43 W5HNS 559 TX Henry 5w
 3:44 KV2X 559 NY Tom 5w
 3:46 N5IB 559 LA Jim 5w
 3:47 N0DSP 559 CO Tom 5w
 3:49 K7RE 559 AZ Brian 5w
 3:50 K5JHP 559 TX Bill 5w
 3:51 W2XN 549 FL Fred 5w
 3:52 WA50JE 559 TX Danny 5w
 **3:54 W2SMK 599 VA Steve 5w
 3:55 KJ0C 559 MO Jim 5w
 3:56 N0TU 559 CO Steve 5w
 3:58 VE5RC 339 SK Bruce 5w
 3:59 K7FD 559 OR John 5w
 4:00 N8VAR xxx OH Ron 5w

72 de Ron, N8VAR

Ron Doyle
 n8var@arrl.net

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Wed, 7 Feb 2001 20:01:07 -0500

From: Ron D Doyle <n8var@juno.com>

To: qrp-l@lehigh.edu, fpqrp-l@mpna.com, QFOX@egroups.com

Subject: [90911] FOX: Report for Feb 6 fox hunt comments by the fox (n8var), Log to follow

Message-ID: <20010207.200335.-278023.0.n8var@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Actually I was pretty impressed on how things went. Conditions were pretty good and QRM didn't seem to be bad. I still am amazed at the size of the pile-up.

I was ready to start on time (thanks to Mike Gipe) but the frequencies I wanted to use were busy. I finally found a whole and got started a few minutes late. It sure didn't take long for the hounds to spot me. The first CQ I sent didn't raise anybody but the second one brought the whole

herd! I found that I liked it when hounds sent there calls multiple times. That let me pick one out and after a couple of reps I usually had the call. I used Bencher paddles to send with and CMOS III Keyer to send my exchange. Next time I will go ahead and include the RST in the exchange. I didn't have enough time to record my stuff in the log and be ready to send the call of the hound I was after the second time. I used RIT liberally. No pattern just hunted for a call that I could pick out. It was interesting that it wasn't always the strongest signal that I could copy the best. No explanation for that one. Some of the calls were familiar enough that I could sense them more than hear a definite call.

A couple of years ago I had the priviledge to be the fox a couple of nights and the conditions were extremely poor. My top count was 25 and didn't break 50 for both nights combined. Last night I managed 83 contacts. While not a record setter I am pretty pleased with the results.

The hounds are nicely trained. :) I tried to send the call and then RST twice. This usually gave the hounds time to settle down and listen so they could hear the rest of the exchange ended by the call. I did my best to end the exchange with the hound's call while the pack was at bay.

As soon as I could pick out a call I started sending again. Unfortunately my fist didn't always cooperate and I send garbage. You hounds were real patient and let me fumble around until I could get my act together, Thanks!

I was real glad to have a couple of Cub Fox hunt sessions and a Truffle hunt under my belt before tackling this monster. I had worked out some minor details before so all went smooth. Once I got started there was no time to think about anything else but making contacts.

Thanks for the opportunity to act as the Winter Fox. I still have one more night and hope to make it better than this one.

72 de Ron, N8VAR
n8var@arrl.net

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Wed, 7 Feb 2001 20:34:15 -0500

From: wb8icn1@juno.com

To: n8var@juno.com

Cc: qrp-1@lehigh.edu, fpqrp-1@mpna.com, QFOX@egroups.com
Subject: [90912] Re: [fpqrp] FOX, February 6 Fox Hunt Log rev 1
Message-ID: <20010207.203419.-346289.2.wb8icn1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ron, Please correct the following log entry:

3:05 WB8ICN 589 MI Ken 5w

To Read as the following:

3:05 WB8ICN 589 MI Mike 5w

Thanks!

Dah-Dit-Dah.... 72's/73's es oo's, Mike...WB8ICN
K2 S/N 383, FISTS #7065, QRP ARCI #9982, MI QRP #1442, FPQRP #68
Flying Pigs QRP Net on Wed and Sundays on 7046KHz at 2100 EST
QCWA Chapter 10, Michigan - Net meets on Sundays, 3903 MHz at 0800 EST
<http://www.qsl.net/wb8icn> Backup e-mail-wb8icn@amexol.net &
wb8icn@aol.com

On Wed, 7 Feb 2001 20:03:25 -0500 Ron D Doyle <n8var@juno.com> writes:

> Here is my first shot at the log for my first time up at the Winter
> Fox.
> I have verified as much as I can. There are 2 calls I couldn't find
> mostly 'cause I can't read the log very well. It looked OK when I
> wrote
> it but I have now slept since then and everythings changed.:)
> Please
> verify and let me know if I butchered something up bad.
>

> UTC	Call	RST	SPC	Name	Pwr
> 2:04	W0UFO	559	MN	Bill	5w
> 2:05	N4ROA	579	VA	Dan	4w
> 2:06	N8IE	599	OH	Dan	5w
> 2:07	K10J	559	TX	OJ	5w
> 2:08	N8PIG	599	OH	Dan	5w
> 2:09	W0PWE	599	IA	Jer	5w
> 2:11	K5AAR	559	OK	Don	5w
> 2:12	VE3FAL	599	ONT	Fred	5w
> 2:13	K0MP	559	CO	Bill	5w
> 2:14	K4ADI	559	SC	Fank	5w
> 2:17	KK5LD	559	TX	Dan	5w
> 2:19	N1LN	579	TX	Bruce	5w

> 2:20	WA9TZE	559	WI	Jim	5w	
> 2:22	K5LN 559	TX	Bill	5w		
> 2:23	W0CH 559	MO	Dave	5w		
> 2:24	K0EVZ	559	ND	Doc	2w	
> 2:26	N5TW 599	TX	Tom	5w		
> 2:27	K9IUA	559	IL	Kevin		5w
> 2:29	K3IU 559	RI	Ken	5W		
> 2:30	N5ET 559	TX	Bob	5w		
> 2:31	WE9K 559	WI	Glenn		5w	
> 2:32	K4GT 559	GA	Jim	5w		
> 2:33	AE9K 559	WI	Brian		1w	
> 2:34	W9XU 559	WI	Lon	5w		
> 2:35	N9KW 559	IL	John	4w		
> 2:37	AB8DF	569	MI	ED	5w	
> 2:38	N1FN 559	CO	ET	5w		
> 2:40	W5SB 559	TX	Bill	5w		
> 2:41	AC5JH	559	OK	Tom	5w	
> 2:42	N9AW 559	WI	Jerry		5w	
> 2:44	N0UR 579	MN	Jim	5w		
> 2:45	KB9BVN	559	IN	Brian		5w
> 2:47	K5VUU	559	TX	Ed	5w	
> 2:49	KQ5U 559	TX	Terry		5w	
> 2:51	K4BYF	559	FL	Jack	5w	
> 2:52	K4FB 559	FL	Paul	5w		
> 2:54	NK9G 559	WI	Rick	5w		
> 2:55	AF4PS	559	FL	Mac	4w	
> 2:57	N2CQ 579	NJ	K	5w		
> 2:58	W5YR 559	TX	George		5w	
> 2:59	K0FPR	579	CO	Al	5w	
> 3:01	KS4L 549	AL	Randy		5w	
> 3:03	N2WW 559	CO	Larry		5w	
> 3:05	WB8ICN	589	MI	Ken	5w	
> 3:07	KC1FB	559	CT	Jim	5w	
> 3:08	WS4S 559	TN	Conard		4w	
> 3:10	W3ERU	559	MD	Wes	5w	
> 3:11	N0AR 559	MN	Scott		4w	
> 3:12	K5ZTY	559	TX	Bill	5w	
> 3:13	W0RSP	559	SD	Ade	2w	
> 3:14	N4VM 559	TN	Bryn	5w		
> **3:16	N2ZHY	559	NC	Dave	5w	
> 3:18	N4SO 599	AL	Ken	5w		
> 3:19	AF4LQ	559	KY	Mike	5w	
> 3:21	VA6RF	559	AB	Earl	5w	
> 3:22	NK7M 559	AZ	Bob	5w		
> 3:25	W3PNL	599	PA	Joe	3W	
> 3:26	AA2PF	559	NY	Dave	5w	
> 3:27	K6VNX	559	CA	Arlen		5w
> 3:29	K3NG 559	PA	Goody		5w	

```

> 3:32    N5EN 559 TX    Steve    5w
> 3:32    N1TP 559 FL    Tom    5w
> 3:34    K0PC 559 MN    Pat    5w
> 3:35    K5EOA    559 LA    Wayne    5w
> 3:36    NC90 559 IL    Skip 2w
> 3:37    KI0II    559 CO    Ron    5w
> 3:38    W0JOE    559 MO    Joe    5w
> 3:39    WU9F 559 WI    Terry    5w
> 3:41    NQ7X 559 AZ    Floyd    5w
> 3:42    WB8WTU    559 OH    Dennis    5w
> 3:43    W5HNS    559 TX    Henry    5w
> 3:44    KV2X    559 NY    Tom    5w
> 3:46    N5IB 559 LA    Jim    5w
> 3:47    N0DSP    559 CO    Tom    5w
> 3:49    K7RE 559 AZ    Brian    5w
> 3:50    K5JHP    559 TX    Bill 5w
> 3:51    W2XN 549 FL    Fred 5w
> 3:52    WA5OJE    559 TX    Danny    5w
> **3:54 W2SMK    599 VA    Steve    5w
> 3:55    KJ0C 559 MO    Jim    5w
> 3:56    N0TU 559 CO    Steve    5w
> 3:58    VE5RC    339 SK    Bruce    5w
> 3:59    K7FD 559 OR    John 5w
> 4:00    N8VAR    xxx  OH    Ron    5w
>
> 72 de Ron, N8VAR
>
> Ron Doyle
> n8var@arrl.net
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> http://dl.www.juno.com/get/tagj.
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
> fpqrp-l -

```

```

-----
Date: Wed, 7 Feb 2001 18:45:28 -0700 (MST)
From: muglesto@ecentral.com
To: "Ron, KU7Y" <ku7y@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90913] Re: RF/AF gain and AGC
Message-ID: <Pine.LNX.4.10.10102071844210.6328-100000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

```

So thats how that worked. I always wondered how anyone found anyone.

On Tue, 6 Feb 2001, Ron, KU7Y wrote:

> Hi All,
>
> You had to call long enough for him to tune around the band and
> find you. He might have been calling CQ at 7030 and you might have been
> calling him on your nearest xtal which might have been at 7055! :-)

Date: Wed, 7 Feb 2001 18:58:02 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [90914] This List
Message-ID: <Pine.LNX.4.31.0102071836480.1637-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am giving a paper to the local Radio Club(s) about QRP. Thinking about QRP begins and continues to be nurtured by this List. I've watched new people poke a comment in for the first time and then several more times, and then regular contributions. I've watched the people most responsible for the QRP growth explain something 3 or 4 times as though each are like it's the first.

The period of the "List Manager" during which I was told by the manager that I was the worst offender of them all. He offered threats with every message. It was a low point of this List. People were afraid to offer messages.

Now it's back to normal, which is not all good, but all free. It's an experiance that I will hammer into the audience is one you should have. And just reading doesn't do it. You need to suggest that a voltage balun is far better than a current balun. This will get you a lot of e-mail. This will get you involved and soon you will be watching to see who the Fox is tonight. Ron W8RU and it's almost 0200 UTC. CU there!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 7 Feb 2001 19:50:23 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [90915] Book for Sale
Message-ID: <20010207.195029.14182.5.n4so@juno.com>

The ARRL Antenna Book -15th edition 1988
used only once in the loop antenna section
New condition.
\$15

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 7 Feb 2001 18:05:13 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [90916] Re: DVM's \$4.99!
Message-ID: <001f01c09173\$c48215a0\$c2d2fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brian
Harbor Freight had the little solar chargers on sale at the same price
before Christmas.
I bought 6 of them and in parallel I get about 150-180 ma into a battery for
charging.
They produce more into a well discharged battery, but they don't have a high
enough output voltage to produce a large charge current in a battery with a
fair state of charge. At least mine don't. Great for keeping the battery
up, though.
73, Bob N6WG

Date: Wed, 7 Feb 2001 21:08:37 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: "pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [90917] Flying Pigs T Shirt Offer!!
Message-ID: <008101c09174\$0df0e9a0\$85302bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

hey gang!

go to the website <http://www.fpqrp.com/pigg20>

There is now a link showing the ever popular Flying Pig QRP Club
International Official T Shirt and directions on how even YOU can get one
for your self!!

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Wed, 7 Feb 2001 20:22:24 -0600
From: "Michael Melland" <badger@vbe.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90918] [FOX] Cub Fox is LOUD
Message-ID: <001a01c09175\$f9f8b0c0\$a0824d40@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ron's really doing a nice job agn tonight..... and compared to many of the
hunts I have really low qrm/noise level here in Wisconsin tonight ! Tnx fer
the pelt Ron !

And if I haven't said it before.... thanks to all the foxes..... great fun !

73

--

Michael Melland, W9WIS
Winneconne, Wisconsin, USA
QRP-L # 1656 QRPARCI # 9875
SOC # 142 IPARC # 252
<http://www.vbe.com/~badger>

Date: Wed, 07 Feb 2001 20:01:21 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: KA6FBB@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90919] Re: Armed and Dangerous
Message-ID: <3A820C01.239AAE60@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al,

I am glad you enjoyed yourself. Now, Doug, aren't you glad that "I" didn't
reply to the BLT question??? :-)

72 - john - n0hj

KA6FBB@aol.com wrote:

> Hi All,
>
> I was a lot of fun.....

Date: Wed, 7 Feb 2001 22:23:00 EST
From: SKIPNC90@aol.com
To: qrp-l@lehigh.edu
Subject: [90920] FS Antenna tuners
Message-ID: <f2.74b2766.27b36b14@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

I have two MFJ antenna tuners for sale:

MFJ-971 The QRP tuner
with box and manual
one small scratch on top but
other wise a ten out of ten
\$75.00 Shipped Cont. US

MFJ-948 Deluxe Versa Tuner II
300 watt tuner, dual needle meter,
peak/average reading switched from
the front panel, high low power range
switch too. No manual new ten
out of a ten too.
\$90.00 shipped Cont. US

FT-290R Yeasu 2 meter All-mode portable
transceiver. 2.5 watts out CW/SSB/FM with
external P.S. and C cell batteries (built-in holder),
w/PL encoder, and manual. Good condition, 8 of 10
some scratches
\$225 shipped Cont.US

I will accept checks, M.O., or Paypal too.

73, Skip Davis NC90

Date: Wed, 7 Feb 2001 22:42:46 EST
From: DYARNES@aol.com
To: qrp-l@lehigh.edu
Subject: [90921] K1 Goes On 30 Meters
Message-ID: <a8.10d7fdc3.27b36fb6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

Well, I finally got around to finishing my 2nd RF board for my K1. I already had the original with 40/20 meters, but wanted 30 meters too so ordered a 2nd board with 30/15. Built it last night, and peaked everything this evening. It really goes fast, as I was just kind of dabbling between "crises" around the house here. Anyway, after I got it peaked to my satisfaction I started tuning around for a QSO on 30 meters. Worked 3B8CF (Mauritius) on the first try! He was 569 and gave me 559! I guess that means it works! What a gem

that little K1 is. On top of that I got an email from Lisa at Elecraft that my KAT1 and KNB1 shipped yesterday. Life's good!

Dave W7AQK

Date: Thu, 08 Feb 2001 03:59:55 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: qrp-l@lehigh.edu
Subject: [90922] [TMPS] The Thrill of Victory
Message-ID: <5.0.2.1.0.20010208033618.009f3d60@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

The thrill of a lifetime for me. Got a HI3 before the pileup started. In fact, got him twice I think 'cuz I was so excited the first time I bumped the rig and the battery disconnected. When I got it back he was working someone else, so called him again.

So after next week I'm redoing all the power plugs in the K7Q0 estate to the same 2.1mm plug as used by many others. I've got to quit buying the swapmeet ones that vary in size from one vendor to the next...

Then about 30 mins later I was around 10.117 or so calling CQ and this FM5 calls me!!! Who would have ever thought? "Not I" says the little red hen. :-)) I know my country list isn't that exciting to all you old DX hounds, but at 500mW it is a tough row to hoe as they say in the cotton fields. And the FM5 took over the frequency afterwards --- but hey I don't care. I went running downstairs telling Phyllis the good news. :-)) I had to get the ARRL Operating manual to see what country it was. Gotta work on memorizing all 300 or so.

And thanks to Bart in OK for the new state when he called me and then thanked me for TMPS as it got him back on 30 meters. That is what makes it all worth the while. Done my job.

Push yourself away from the Internet and work real radio. There's a world out there waiting for you.

If you are a Milliwatter and want a sked I'm up for it. I want to see just how low we can go. And thanks for the shocking posts earlier. I've got to remember to short out the antenna tonight as a snow storm is arriving after

midnight, if the wx people are correct. 80 meters of wire really likes to arc when given the chance. I lost the frontend of the old Argosy several times in TX when I had an end-fed long wire over 80 meters long. Took the diodes out of the 941C and they are still bad since I use the WM-1 anyway.

30 meters seems to die on me each night after dark for about 30 mins to an hour and then comes back with lots of DX. Haven't figured that one out yet or if it is just this past week that it is doing it. Time will tell.

FYI es c u on 30 m

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com

TMPS-2001 Feb 08, 2001 Q's = 110 States = 31 Counties = 99 DXCC = 7
SWL-30 with CMOS 3 keyer and HB Iambic Paddle 0.500W and vee-beam

ID TX LA CA AZ NM WY NV MT CO OR ME KY WA SD NE NC AR IA GA HI MN AL WI MD (first 25)
OH CT MO SC TN OK (in order worked)

DXCC --- K XE VE KH6 V73 HI3 FM5

Date: Wed, 07 Feb 2001 20:10:13 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: badger@vbe.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90923] Re: [FOX] Cub Fox is LOUD
Message-ID: <3A821C25.F5F10954@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael Melland wrote:

>
> Ron's really doing a nice job agn tonight..... and compared to many of the
> hunts I have really low qrm/noise level here in Wisconsin tonight ! Tnx fer
> the pelt Ron !

>

well, for YOU maybe...;-) he was pretty faint here and got fainter as the night went on. Bagged him on ESP again, I think!

(I just got the ATU done on my K1 and this was the first contact using it - whee!)

> And if I haven't said it before.... thanks to all the foxes..... great fun !
>

Absolutely - I'm losing my fear of CW pileups! - 7x - jeff wk6i

--

jeff stai
WK6I DM13
NAR #21059 TRA #3356 L2
jstai@home.com / wk6i@arrl.net
ROC web page: <http://www.rocstock.org/>

Date: Wed, 07 Feb 2001 23:20:25 -0500
From: rich a <rckchp@home.com>
To: w7trx@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90924] Re: 72 vs 73 and a request
Message-ID: <3A821E89.EB006EF4@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

W7TRX wrote:

>

> > You'll never get a concise answer about "72". That's because it's one of
> > those cult things. :-)

> >

> > Sort of like the 'secret handshake' one learns from groups like the Royal
> > Order of the W..... (oops, sorry, I can't talk about that.)

> >

> > 73.....Steve, WB6TNL
> > Oxnard, CA

>

> Please ignore this message by a so called "Stephen Smith" as he does not
> exist. The name even sounds phony. The call sign WB6TNL is bogus. Do not
> respond to any calls from a station claiming to be "Stephen Smith" or
> WB6TNL. And come on... Who would really name a city Oxnard? Thank you for
> your cooperation in this important matter.

>

> Signed,
>
> The Royal Order of the W..... (oops, sorry, I can't talk about that.)

If the name/call is bogus, why are they in all the legitimate call look ups (QRZ, ARRL, etc.) ??

Date: Wed, 07 Feb 2001 22:11:01 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [90925] AGC and RF Gain Controls (long)
Message-ID: <00d201c09185\$26529c80\$9f703ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

AGC is just another form of distortion required for detectors with poor dynamic range (and people who don't want to go deaf) ;-)

I use my RF gain control simply to keep the strongest of stations from blasting my headphones off. With my Kenwood TS-130V this usually means that the S-meter sits at about S-9. With it cranked back and the audio gain cranked up as has been recently suggested the full dynamic range of signals can be experienced. Ever wonder why those direct conversion and regenerative receivers "sound so good"? Lack of AGC is one reason. You certainly wouldn't want your Hi-Fi CD player to put out a compressed, constant amplitude of music.

My brain finds it easier to copy CW signals amongst QRM when it receives the extra bit of data in the form of amplitude to work with. With the RF gain cranked back (disabling of the AGC) the "pumping" of the AGC by a stronger station is not present to confuse the issue either.

A "good" AGC succeeds in making the background noise the same amplitude as the strongest of signals. This makes for a constant output level from the receiver but this can be very fatiguing if the time constant is fast. This also causes narrow CW filters to sound less effective than they really are, creating what may sound poor selectivity of a crystal filter when in reality the AGC is trying to compensate for the filter's adjacent frequency rejection. The RF gain controls are on the rigs for a reason as has been noted. Everyone's taste is different so therefore the AGC response should be adjusted accordingly. There can really be no "right" way to use your RF gain control and I am simply stating why I do it the way I do it.

It should be noted that with some of the simpler receivers the "RF Gain" control doesn't really control the gain at all. Instead, it is simply a

front-end attenuator. This of course keeps stronger signals at bay but the noise figure of the receiver deteriorates too and weaker signals will simply be lost. The desired "quieting" of the receiver isn't achieved.

By the way, I often record radio signals digitally and I have put many of these signals are on my Web pages. I always crank the RF gain back to the point where the strongest signal will not deflect the S-meter and the AF gain turned to a level in which there is plenty of signal but in no way clipping. This ensures that I am recording the full dynamic range of signals present without clipping. It is undesirable to have a recording in which static crashes and such pump the AGC.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb>

Date: Wed, 07 Feb 2001 13:06:35 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [90926] Bad signals
Message-ID: <000501c09187\$133c3820\$6ac6a9d8@com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

Hi All,

While listening for the Fox's lately, I have noticed more and more poor sounding signals on the bands around the QRP watering holes.

In our rush to play with some of our little toys we really need to keep in mind that there is NO excuse for a poor sounding rig. Things like chirp and clicks are caused only by poor design. Until you have the bugs out of a rig you really shouldn't be putting it on the air for anything more than a very brief test.

Poor layout can cause trouble too but I consider that to also be part of the design. When we had the big air wound coils you could get some frequency shifts caused by movement but that doesn't sound like what I've been hearing.

It could also be coming from some old tube rigs that need work. Many of them didn't work as well as they should have! :-)

OK, I'll crawl back in my hole now.....but just had to point that out.

cul, Ron KU7Y

Full time RVing somewhere in the West!

(Currently near Quartzsite, AZ)

A Proud AZScQRPion

64,999,987 firearm owners killed no one yesterday

Date: Wed, 7 Feb 2001 23:48:00 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [90927] FT817 Review with Pics
Message-ID: <003801c0918a\$52041ed0\$225daccf@ghlpt4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those who were interested in my posting yesterday of the FT817 all-mode, all-band QRP rig usage ... I have it on the NJQRP website along with a handful of photos depicting:

- small carrying case
- FT817 on desk at work (size comparison)
- Super Antennas' MP-1 clamped to the rail outside the office
- MP-1 perched at 2800 meters in the Swiss Alps

You can see this at <http://www.njqrp.org/817>

72, George N2APB
n2apb@amsat.org

Date: Wed, 07 Feb 2001 22:48:28 -0600
From: Bryn Joynes <bryn@pcpractice.com>
To: k7qo@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90928] Re: [TMP5] The Thrill of Victory
Message-ID: <3A82251C.4ED8C5D2@pcpractice.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Chuck,

I wrote a simple program which when you enter a prefix will display the Country and Continent. The program is about 17k and the Data file is about 50k. It runs under Windows 95 and up. If that would save you memorizing all 300 I will be more than happy to send you a copy. It is also free, wrote it for my own use. The only other file you might need is VB40032.DLL which is a big file, 500k compressed so I generally don't send that unless needed.

Bryn Joynes
N4VM

> I had to get the
> ARRL Operating manual to see what country it was. Gotta work on memorizing
> all 300 or so.
>

Date: Thu, 08 Feb 2001 08:00:36 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: kd4wov@earthlink.net
Cc: qrp-1@lehigh.edu
Subject: [90929] RE: HW-8
Message-ID: <G8FCLW02.YR5@mail.usd.edu>

Tom, you said:

"I guess if i sold my unbuilt HW-8. i could get a FT-847 and a FL-7000 amp"

But this seems short-sighted... think about it -- I mean,
what you'd be able to buy if you sold all 10 unbuilt kits... :)

72 Ade

Date: Thu, 08 Feb 2001 08:08:02 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [90930] YK1A -- 30m 10.115.2
Message-ID: <G8FCYB00.QQM@mail.usd.edu>

Progradation shifted and now I can hear YK1A causing that
huge pile-up. 0606Z
Ade

Date: Wed, 7 Feb 2001 22:00:50 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: "rich a" <rckchp@home.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90931] Re: 72 vs 73 and a request
Message-ID: <004701c09194\$7e4c70a0\$962279a5@dell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: rich a <rckchp@home.com>
To: <w7trx@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, February 07, 2001 8:20 PM
Subject: Re: 72 vs 73 and a request

> W7TRX wrote:
> >
> > > You'll never get a concise answer about "72". That's because it's one
of
> > > those cult things. :-)
> > >
> > > Sort of like the 'secret handshake' one learns from groups like the
Royal
> > > Order of the W..... (oops, sorry, I can't talk about that.)
> > >
> > > 73.....Steve, WB6TNL
> > > Oxnard, CA
> >
> > Please ignore this message by a so called "Stephen Smith" as he does not
> > exist. The name even sounds phony. The call sign WB6TNL is bogus. Do not
> > respond to any calls from a station claiming to be "Stephen Smith" or
> > WB6TNL. And come on... Who would really name a city Oxnard? Thank you
for
> > your cooperation in this important matter.
> >
> > Signed,
> >

> > The Royal Order of the W..... (oops, sorry, I can't talk about that.)
>
> If the name/call is bogus, why are they in all the legitimate call look
> ups (QRZ, ARRL, etc.) ??

If I answered that I would have to have you erased as well. Maybe we will just do that anyway as a preventative measure. The City of Oxnard will also be removed from all future maps and atlases. Even if it was not a part of our master plan, it is such a silly name. My apologies to the citizens of Oxnard.

Signed,

The Royal Order of the W..... (oops, sorry, I can't talk about that.)

Date: Wed, 7 Feb 2001 22:41:10 -0800 (PST)
From: Allen Jones <w9dz@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [90932] Re: RS \$19.99 DC Supply
Message-ID: <20010208064110.27082.qmail@web3701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I read the QRP-1 postings from the web page so please excuse if this info has been posted previously.

The Pocket Power 12V battery pack from Heartland is item # S2-9968. The flyer that was sent to me also indicates shipping is free which makes it a better deal than RS. In order to get the free shipping it may be necessary to have the code # from the flyer. The # printed on mine is S2R2-6880. You can order via the web at www.heartlandamerica.com or 1-800-229-2901.

I have no financial interest in the Heartland company.

72/73
Allen Jones, W9DZ

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Thu, 08 Feb 2001 08:32:58 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: rich a <rckchp@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90933] Re: 72 vs 73 and a request
Message-ID: <XFMail.010208083258.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Another case of ASOH (Atrophied Sense of Humor)

On 08-Feb-01 rich a wrote:

> If the name/call is bogus, why are they in all the legitimate call look
> ups (QRZ, ARRL, etc.) ??

Date: Thu, 08 Feb 2001 08:35:57 -0500
From: Sam Smith <sam.smith@ece.gatech.edu>
To: qrp-1@Lehigh.EDU
Subject: [90934] 2001 ARRL DX contest
Message-ID: <3A82A0BD.151C9AE2@ece.gatech.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

So what does that exchange mean? My callsign must indicate my location -
so do I send N4MAP/GA? or N4MAP/W4?

As you can guess, I'm new to contesting - doubtful that I can find
anyone sending slow enough to exchange with...

--
Sam Smith N4MAP
sam.smith@ece.gatech.edu
<http://www.mindspring.com/~sam.smith>

Date: Thu, 08 Feb 2001 08:36:06 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [90935] Re: 72 vs 73 and a request
Message-ID: <XFMail.010208083545.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

I think QRPP ops should use "71" and those with HB rigs under 1 watt use
"70" and those self proclaimed REAL QRPers then could use.....never mind.

John W2AGN

Date: Thu, 8 Feb 2001 07:39:20 -0600
From: Bradfield Brad-P53117 <Brad.Bradfield@motorola.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>,
 "'(aa5tb@arrl.net)'"
Subject: [90936] Re: AGC and RF Gain Controls (long)
Message-ID: <ED53441FBBDDAD311B85000508B95104D01958B72@tx14exm03.ftw.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Hi y'all - -

Steve made a very good point that I can personally vouch for. In my previous life as a broadcast engineer, I worked closely with what was then state of the art audio processing equipment. My personal philosophy was to run only the bare minimum amount of audio processing. Unfortunately, a broadcast stations revenues are too often tied to sounding "loud", which also corresponds to being heavily processed in order to maintain a high average audio level. To this day I can tell an overprocessed radio station because it just sounds crappy (that's a highly technical broadcast term that I won't go into here). There simply is no dynamic range. Listener fatigue (as Steve mentioned) is very real, and this high average level/minimum dynamic range signal is listener fatigue to the max.

Oh, well.

72 es 73,

Brad, W5CGH

=====
Brad Bradfield, PE

Senior Test Engineer
Motorola Test Systems Engineering
(Office) 817-245-8079
(Pager) 800-759-8352 PIN 2458079
brad.bradfield@motorola.com
(Pager e-mail) 2458079@skytel.com

Date: Thu, 8 Feb 2001 08:53:59 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [90937] [TMPS] Gray Line Effect
Message-ID: <20010208.085412.-91997.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>>30 meters seems to die on me each night after dark for about 30 mins to
an<<
>>hour and then comes back with lots of DX. Haven't figured that one out
yet<<

Could be the reverse gray line dampening affect.

>>or if it is just this past week that it is doing it. Time will tell.<<

Note the phase of the moon when this happens.

There was also ducting on 2m this morning gray line time.

John
N3AAZ
FM 19 xa

The "5 X 5" matrix is
best viewed with a FIXED font . . .

A N X E B
R L Y Z C
P S J M D
F Q T O U
G K V W H

J M M V Z

N X Z E P
V V J M V
R U F X O
V G G E N

-jk-

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Thu, 08 Feb 2001 08:57:15 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [90938] Parts Help
Message-ID: <3A82A5BB.56AE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am in the process of collecting parts for the six-meter Nor'easter.
Need info (web pages) for the following vendors:

Kentronics
Dan's Small Parts
Ken's Electronics
Coil Craft
Amidon
Digi-Key

Any help will be very much appreciated. Tnx!

Joe, K3CHP
Riverdale, MD

Date: Thu, 08 Feb 2001 09:05:19 -0500
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [90939] [CONTEST] QRP Contest Calendar
Message-ID: <3.0.6.32.20010208090519.00809970@mail.citnet.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP Contesters,
Please send your sprint or contest info to: N2CQ@ARRL.NET
We will include it in the calendar.

72 de Ken - N2CQ

N2CQ QRP CONTEST CALENDAR

February 10 - March 6, 2001

QRP-L Foxhunt

Foxhunt: Every Tuesday And Thursday
Details: <http://www.cqc.org/fox>

Cub Foxhunt: Every Monday and Wednesday
Details: <http://www.qsl.net/k5DI/fox/>

Fox appears: 9pm EST, 8PM CST, 7PM MST and 6PM PST.

FPQRP-L Truffle Hunt

Flying Pigs Truffle Hunt: 30 minutes before the Foxhunt.
Details: http://www.fpqr.com/pig_hunt.htm

CQ World Wide RTTY WPX Contest

Feb 10 0000z to Feb 11 2400z

Rules: <http://www.rttyjournal.com/rules/wpx.html>

"MUCH RTTY DX"

PACC Contest (CW/SSB)

Feb 10 - 1200z to Feb 11 - 1200z

Rules: <http://home.wxs.nl/~pa3ebt/pacc/foreign.htm>

"Work Dutch stations. Awards given"

~~~~~

FISTS Winter Sprint (CW of course) ...QRP Category

Feb 10 - 1700z to 2100z

Rules: <http://www.fists.org/sprints.html>

"Work some QRP FISTS or any other US/Canada FISTS"

~~~~~

RSGB 1.8 MHz Contest (CW)

Feb 10 - 2100z to Feb 11 - 0100z

Rules: <http://www.g4tsh.demon.co.uk/HFCC/Rules-2001/1.htm>

"A challenging band for antennas and receiving skills"

~~~~~

North American Sprint (CW)

Feb 11 - 0000z to 0400z

Rules: <http://www.ncjweb.com/sprintrules.html>

"Intense competitions to sharpen skills on CW"

~~~~~

QRP ARCI Fireside Sprint (SSB) ...QRP Contest!

Feb 11 - 2000z to 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/firesid.htm>

"QRP SSB fan's choice"

~~~~~

Novice Roundup (CW)

Feb 12 - 0000z to Feb 13 - 2400z

Rules: <http://www.arrl.org/contests/months/feb.html>

"Work the Novices and Techs"

~~~~~

ARRL School Club Roundup (All)

Feb 12 - 1300z to Feb 16 - 0100z

Rules: <http://www.arrl.org/contests/announcements/scr.html>

"Work the school clubs"

~~~~~

ARRL International DX Contest (CW) ... QRP Category

Feb 17 - 0000z to Feb 18 - 2400z

Rules: <http://www.arrl.org/contests/announcements/intldx.html>

"Best DX so far this year"

~~~~~

CQ 160 Meter Contest (SSB) ... QRP Category

Feb 23 - 2200z to Feb 25 - 1600z

Rules: <http://www.cq-amateur-radio.com/160rules01.html>

"Give it a try"

~~~~~

REF (French) Contest (SSB)

Feb 24 - 0600z to Feb 25 - 1800z

Rules: <http://www.arrl.org/contests/months/jan.html>

"Some rare French DX may operate here"

~~~~~  
North Carolina QSO Party (CW/SSB) ... QRP Category

Feb 24 - 1200z to 2359z

Feb 25 - 1200z to 2359z

Rules: <http://www.netpath.net/~n4mio/qsoparty.htm>

"Work NC Counties. Nice plaques"

~~~~~

UBA DX Contest - Belgium (CW) ... QRP Category

Feb 24 - 1300z to Feb 25 - 1300z

Rules: <http://www.uba.be/HF/conrules/UBArulesfor.htm>

"Very good QRP entry. Work anyone. Software available for download"

~~~~~

RSGB 7 Mhz DX Contest (CW)

Feb 24 - 1500z to Feb 25 - 0900z

Rules: <http://www.g4tsh.demon.co.uk/HFCC/Rules-2001/7mhz.htm>

"Experiment with simple or complex antenna systems"

~~~~~

High Speed CW Club Contest ... QRP Category

Feb 25 - 0900z to 1100z

Feb 25 - 1150z to 1700z

Rules: <http://www.sk3bg.se/contest/hsccl.htm>

"Work anyone (if you can copy)"

~~~~~

Colorado QRP Club Winter QSO Party (CW/SSB) ... QRP Contest!

Feb 25 - 2200z to Feb 26 - 0359z

Rules: <http://www.sk3bg.se/contest/coqrpwqp.htm>

"Work any QRP station"

~~~~~  
CZEBRIS Contest (CW) ... QRP Contest!

Mar 2 - 1600z to Mar 4 - 2359z

Rules: <http://www.sk3bg.se/contest/czebris.htm>

"Czech-British QRP Contest. Work any QRP station"

~~~~~  
ARRL International DX Contest (SSB) ... QRP Category

Mar 3 - 0000z to Mar 4 - 2400z

Rules: <http://www.arrl.org/contests/announcements/intldx.html>

"Best SSB DX for QRPers this year"

~~~~~  
Adventure Radio Society - Spartan Sprint (CW) ... QRP Contest!

Mar 6 - 0200z to 0400z

Rules: [http://www.natworld.com/ars/pages/spartan\\_sprints/ss\\_rules.html](http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html)

"Testing of lightweight radio gear for outdoor QRP expeditions"

~~~~~  
72 de **** N2CQ QRP Contest Calendar ****
Ken Newman - N2CQ <http://www.njqrp.org/data/contesting.html>
N2CQ@ARRL.NET <http://www.n3epa.org/Pages/Contest/contest.htm>
 <http://www.qsl.net/cqrp/contests.html>

72 de
Ken Newman - N2CQ == QRP CONTEST CALENDAR ==
Woodbury, NJ <http://www.njqrp.org/data/contesting.html>
N2CQ@ARRL.NET

Date: Thu, 8 Feb 2001 09:06:27 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [90940] Interesting experiments w/ filters
Message-ID: <20010208.090631.-322869.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yoldashlar,

Yesterday I rewired the modified mic jack on the ol' TR7 so it would take the same hose as the SG2020 for digital modes. Then I wrestled my digi/mic switch box thingie into position over the TR7 & tried it out. As a result of this, I am having to rethink (and possibly rewire) my operating set-up for digit traffic in entirety. Kinda like recapped tires.

Anyway, the TR7 has the standard 2.5 kHz filter, a 1.8 kHz filter (ostensibly for RTTY), a 500 Hz filter & a big wide-motha 6 kHz filter (for AM). This compared to the SSB variable filter set up on the K2 (which I think is 2.0 kHz, 1.8 kHz, 1 kHz & 800 kHz) and the variable SCAF filter on the SG-2020 (set on SSB for 1.8 kHz). On each of these radios, using Stream or PSK, I get some widely divergent "waterfall" pictures.

Now, hosed up to the TR7, I get some interesting option controls. Like the mic gain pot, which makes the audio output controls on the computer all the more flexible. On this rig, I can get a pretty nice span of frequencies on PSK (DigiPan) from 0 to about 3 kHz, depending on how hot I run the rx output. The AGC on the TR7 kicks good, though, and the NB is nearly as good as the K2. So the PSK possibilities with the TR7 are decidedly provocative.

What all this means is, bluntly put, hellishly subjective and nominally political. Compared against the SG-2020 as a digi mode rig, the TR7 is a hands-down, no-questions-asked, unassailable winner. Anything that I can actively PBF and IF filter through that much range & with that many control functions obviously beats a single-conversion, 60 MHz IF radio even with killer SCAF. Against the K2, we get differences in filter ripple & other such kit-related, individual builder kind of comparison destroyers. And that's mainly because of the filters that the TR7 are the ones that you buy special from some special filter-making company (as

Drake did back then). Either way, were it not for the drift inherent in the >20-year-old design of the K2 (or the BFO drift in the SG-2020), it's pretty simple to figure that the TR7 would make the best choice for digital modes. And yes, it can be cranked down to very small power levels by manipulating the SSB output gain or adjusting the ALC (internally or externally).

So the only real problem comes down to space & distance, at least in my personal case. The TR7 is on Dad's old typing stand near the window, next to the computer, while the interface box is on the other side of the computer, on a shelf underneath the (nominally) QRP station set-up. And there ain't no "tune" button on the TR7. You have to use the CW mode & key it that way to set the LDG auto ATU; setting the SSB levels requires watching the SWR meter while adjusting computer-to-radio output levels on the TR7. Eyes right, fingers in three different places, rig on one side, metering on the other &c.

What's cool about all this, despite my now having to build a new table/stand for the computer & ancillaries, is my being able to use the old radio for digital mode technology that was in it's gestation (and not neonatal development) when the TR7 was a 20-radios-a-day production line item. Better 'n even than using a Johnson Viking on the 80m AM net.

One thing, though: This means that I've gotta get some cable & parts & rebuild the interface box a bit so I can play the TR7. Ain't bad enough I gotta do some more bad carpentry. I have to modify somethin' else . . . again! Some days I wish I'd quit gettin' these ideas. 'Cept it's probably them ideas what keeps me at least superficially cognitively engaged in present time and space.

That & my son's novel anime cartoons.

End on, the continuing TR7-versus-anything-else comparisons give me lots of info and ideas on how IF filters work & how absolutely necessary they are in making a really good radio. Even if the design of the TR7 is antique by comparison to the other two rigs mentioned here. And of course, the "waterfall" spectrum display of the digital mode software is helpful too, if only to show how "rippy" things can really be and me not notice 'em with my own ears. A confluence of three different technological toys, I'd guess you'd say.

And more stuff to think about.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes

Sonrientes

<http://w8ijn.www6.50megs.com> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!

--- Comrade Nikolai Sergeevich McTovarishov

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Thu, 8 Feb 2001 07:13:44 -0700

From: "Rod Cerkoney" <n0rc@hotmail.com>

To: <k3chp@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [90941] Re: Parts Help

Message-ID: <0E68WFE8GFIt1rU5ehn00004ce1@hotmail.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Joseph:

----- Original Message -----

From: "Joseph Mikuckis" <k3chp@erols.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, February 08, 2001 06:57 AM

Subject: Parts Help

> I am in the process of collecting parts for the six-meter
Nor'easter.

> Need info (web pages) for the following vendors:

>

> Kentronics

<http://www.kantronics.com/>

> Dan's Small Parts

<http://www.fix.net/dans.html>

> Ken's Electronics

<http://www.kenselectronics.com/>

> Coil Craft

<http://www.coilcraft.com/>

> Amidon

<http://bytemark.com/amidon/>

> Digi-Key

<http://www.digikey.com/>

All found with ease using www.google.com

73, Rod N0RC
Ft Collins CO

Date: Thu, 8 Feb 2001 09:21:46 -0500
From: ad4ih@juno.com
To: nilsbull@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [90942] Re: Interesting experiments w/ filters
Message-ID: <20010208.092147.-3846277.2.ad4ih@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Huh?

Joe Pirkle, AD4IH,
"Everyone seems normal until you get to know them."
ad4ih@juno.com / ad4ih@arrl.net

Date: Thu, 8 Feb 2001 09:37:19 EST
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [90943] Re: [fpqrp] 30m antennas
Message-ID: <da.20ec544.27b4091f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I use the R7 vertical mounted up 8' in the woods most of the time. I also use

a Windom dipole up 45'. the R7 seems to hear better on 30 meters.
Aron
N10DL/qrp
Bedford, NH

Date: Thu, 8 Feb 2001 08:45:55 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [90944] RE: Antenna Charge Buildup
Message-ID: <000b01c091dd\$d7e06060\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is an excellent idea Larry. It is also a way to "identify" your antennas. I remember many years ago an idea in QST where a ham put resistors on his dipoles so that he could identify the coax at the other end. On 10-meters he put a 10K resistor, 15-meters used a 15K and so on. It did the double duty of bleeding the static and identifying the coax. Larry is quite correct when he said THERE IS NOTHING [that you would want to buy] THAT WILL PROTECT YOUR RIGS AGAINST A DIRECT STRIKE. Lightning arrestors and discharge tubes do only one thing...they divert MOST of the charge to ground. If even 1% of 100 million volts gets to your rigs their toast. If a storm is approaching disconnect your rigs, place them in anti-static wrap, box them up and put them under your bed.

73/72
Kevin, WB5RUE
Leeniers? We dunt need no steenkeeng leeniers!
<http://www.qsl.net/wb5rue>

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Larry East
> Sent: Wednesday, February 07, 2001 6:39 PM
> To: Low Power Amateur Radio Discussion
> Subject: Antenna Charge Buildup
>

> There is a very simple cure for this problem
> -- other than making sure your antenna is
> disconnected and grounded -- that has been posted
> several times on this list. But it is certainly
> worth repeating for newcomers to the list: Make

> sure that there is a DC path from the antenna to
> ground, either in the form of a balun transformer,
> RF choke or a resistor. A 10K 1/2 W carbon or
> metal film resistor from the "hot" lead of the
> antenna (center lead of coax, etc.) to ground
> will bleed-off charge build-up nicely and not
> effect the antenna feed impedance. However, a
> resistor to ground certainly will NOT give
> any protection from lightning strikes, so you
> should STILL ground your antenna(s) when there
> is any chance for thunder-boomers.
>
> 72/73
> Larry W1HUE
>

Date: Thu, 8 Feb 2001 10:01:02 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <edkess@epix.net>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [90945] RE: "Progressing" Progressive Receiver
Message-ID: <000201c091df\$f4ea3c60\$7e0af618@knbunk.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Beautiful job Ed!

I wish I had taken more time to do that kind of workmanship when I kludged together many modular subassemblies when building my 20-meter CW/SSB qrp rig last year. Your photos underscore the approach used by successful homebrewers, namely keeping everything modular so blocks can be developed, and tested individually as the development of the entire circuit proceeds.

GL es 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Ed Kessler
Sent: Wednesday, February 07, 2001 12:05 AM
To: Low Power Amateur Radio Discussion
Subject: "Progressing" Progressive Receiver

Just a short note to those following this project.

The Progressive Receiver is "progressing" nicely. :-)
I've updated my Progressive Receiver Page with several new photos and some text.

<http://www.qsl.net/aa3sj/Pages/Progressive.html>

Comments or suggestions are always appreciated.

73s

Ed AA3SJ

Date: Thu, 8 Feb 2001 09:52:40 -0600
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [90946] FS: or trade: Not quite working HW-7
Message-ID: <F05408425630D4118DEE0000F840B5D485C949@alrsrv02.fssec.army.mil>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

I have a not quite working HW-7 for sale or trade. This rig looks pretty good, but seems to have a burned inductor in it. (May be the cause of it not working.) When powered up does receive some broadcast signals but I haven't played with it much. Comes with a copy of the HW-7 manual and several magazine articles and copies of files on modifications.

Price is \$55.00 shipped or would like to trade for a Small Wonders Lab SW-20 or 40 or 80 or Dans Centennial 20 or 40 or 80 meter SSB (built or unbuilt) or a SMK-1 (built or unbuilt).

I got this rig in a moment of weakness (which I have frequently) and would rather it went where it could be used instead of wasting away in my shack.

Steve KC5TTY
brockwse@fssec.army.mil

Date: Thu, 8 Feb 2001 10:53:49 -0500
From: Bill Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [90947] Lightning concerns
Message-ID: <20010208.105537.-1831409.5.N2TPA@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

All the talk lately about discharging static and protecting rigs/antennas from it, leaves me with a question:

-I know the best method of protection is by disconnecting antennas, shorting them to ground, and leaving them outside of your shack. My feedlines are hard to disconnect and even harder to pull outside. I don't currently ground them as I don't want the discharge path to be INSIDE my shack.

-The second best method (I've heard) is to attach lightning arrestors to each antenna feed in a box OUTSIDE of the shack. This allows higher voltage's current to discharge to ground outside of the shack, while allowing me to simply leave the feedlines unterminated inside.

--With decent Gas Discharge arrestors costing \$40 each, if I purchase one for each antenna I have strung up, that's more than \$250. Is there a less costly alternative?

-I've heard of using spark plugs as a "spark gap"

-I've seen AM transmit towers using two closely spaced balls as a "spark gap"

-Even the high voltage transformers on my TV transmitter (at work) use two sharp points as a "spark gap"

While not as predictable and effective as a gas tube, how well do spark gaps work at shunting current to ground? This assumes, of course, that the equipment is disconnected and the feedline is dangling. The only path to ground will be through this gap.

Does the capacitance of the gap have much effect on the apparent impedance/resonance of the antenna (using coax feedlines to resonant antennas)?

I'd like to make up a box that will sit outside of my shack containing several of these gaps, and tied to the best ground I can provide. If they're useless in this regard, I may "bite the bullet" and buy discharge tubes, but I'd like to explore this option first.

I never run more than 75 watts, so concerns of shunting my intended output signal are not an issue.

Anyone have any thoughts on this?

73,

Bill

W2EB

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Thu, 8 Feb 2001 11:07:37 -0500

From: Richard Rood <fcsww@juno.com>

To: qrp-l@lehigh.edu

Subject: [90948] not quite qrp

Message-ID: <20010208.110739.-3959075.0.fcsww@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Ann Morrow Lindbergh, SK, KHCAL.

See her book "Listen the Wind", 1938.

She used a 10 watt CW rig, with a trailing wire antenna,
to communicate with maritime stations from, in flight
over Europe, Africa and South America. The usual
stations were located near Chatham, MA and Long
Island, NY.

Dick, W2SCF

Date: Thu, 08 Feb 2001 11:28:31 -0500

From: George Reeves <greeves@emory.edu>

To: QRP-L <qrp-l@Lehigh.edu>

Subject: [90949] Help with Keyer / Paddles

Message-ID: <3A82C92F.2D803B1A@emory.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I hate to admit it but it's been YEARS since I've had a CW QSO [being
inactive for 25 years from the ham bands has something to do with it].
Now that I'm getting back into QRP I need to seriously look at an iambic
keyer / paddles. I've used a straight key and a Virboplex bug in my
career, but whenever I've tried to use a keyer I mess things up, so I
need to practice off-air.

I'm looking for recommendations for a relatively inexpensive [notice I didn't say CHEAP] keyer and paddles. I've looked at the Whiterook pocket mini-paddles, the TiCK-4 keyer, the Bulldog paddles, etc. I also realize that many rigs have the keyer built-in, so any keyer I buy now may sit of the shelf later. I would like to have a decent set of paddles that I could practice on now and be useful later when I get back on the air.

As to what is "inexpensive" I would say \$50-\$150, but I may have to expand that to get a decent set of paddles. I would appreciate any recommendations, plus why you like your recommendation and any short-comings of your recommendation. Plus any guidelines you would suggest in buying a keyer /paddles.

72 / 73,
George
WA4TNU

Date: Thu, 8 Feb 2001 11:31:35 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <sam.smith@ece.gatech.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90950] RE: 2001 ARRL DX contest
Message-ID: <GCECIJFJPOHMCKACOA0BEEKACCAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sam -- N4MAP:

For the ARRL DX Contest you send 599/GA.

73,

Jake - N4UY
Vienna, VA
(Wash DC suburbs)

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Sam Smith
Sent: Thursday, February 08, 2001 8:36 AM
To: Low Power Amateur Radio Discussion

Subject: 2001 ARRL DX contest

So what does that exchange mean? My callsign must indicate my location -
so do I send N4MAP/GA? or N4MAP/W4?

As you can guess, I'm new to contesting - doubtful that I can find
anyone sending slow enough to exchange with...

--

Sam Smith N4MAP
sam.smith@ece.gatech.edu
<http://www.mindspring.com/~sam.smith>

Date: Thu, 8 Feb 2001 10:31:32 -0600
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [90951] FS: or trade: Not quite working HW-7... spoken for
Message-ID: <F05408425630D4118DEE0000F840B5D485C94D@alrsv02.fssec.army.mil>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

The rig appears to be spoken for
Man ! this list is quick.....

<<I have a not quite working HW-7 for sale or trade.....

Steve KC5TTY
brockwse@fssec.army.mil

Date: Thu, 8 Feb 2001 11:38:17 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <greeves@emory.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90952] RE: Help with Keyer / Paddles
Message-ID: <GCECIJFJPOHMCKACOA0BOEKACCAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

George -- WA4TNU:

I have a bunch of paddles -- the one I like the best is my Vibroplex Brass
Racer. Check out the Vibroplex web page at <http://www.vibroplex.com/> . HRO
sells them for \$89.95 - the HRO web page is <http://www.hamradio.com/>

73,

Jake - N4UY
Vienna, VA
(Wash DC suburbs)

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of George Reeves
Sent: Thursday, February 08, 2001 11:29 AM
To: Low Power Amateur Radio Discussion
Subject: Help with Keyer / Paddles

I hate to admit it but it's been YEARS since I've had a CW QSO [being inactive for 25 years from the ham bands has something to do with it]. Now that I'm getting back into QRP I need to seriously look at an iambic keyer / paddles. I've used a straight key and a Virboplex bug in my career, but whenever I've tried to use a keyer I mess things up, so I need to practice off-air.

I'm looking for recommendations for a relatively inexpensive [notice I didn't say CHEAP] keyer and paddles. I've looked at the Whiterook pocket mini-paddles, the TiCK-4 keyer, the Bulldog paddles, etc. I also realize that many rigs have the keyer built-in, so any keyer I buy now may sit of the shelf later. I would like to have a decent set of paddles that I could practice on now and be useful later when I get back on the air.

As to what is "inexpensive" I would say \$50-\$150, but I may have to expand that to get a decent set of paddles. I would appreciate any recommendations, plus why you like your recommendation and any short-comings of your recommendation. Plus any guidelines you would suggest in buying a keyer /paddles.

72 / 73,
George
WA4TNU

Date: Thu, 08 Feb 2001 16:44:27 +0000
From: "Chuck Adams, K7QO" <k7qo@primenet.com>
To: aweiss@usd.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90953] Re: YK1A -- 30m 10.115.2
Message-ID: <5.0.2.1.0.20010208163134.00a07670@pop.primenet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 08:08 AM 2/8/01 +0000, Adrian Weiss wrote:

>Prologation shifted and now I can hear YK1A causing that

>huge pile-up. 0606Z

>Ade

You want to hear something funny? I knew you did and the gang too.

Just for fun I listen to one of the stations on 30 meters at night send 5 letter code groups at 20wpm or so. The message is one that is encrypted and sent by someone to someone else and they don't want us mortals that are capable of copying morse to listen in on their communication. Hey, no problem.

But what is interesting and this has happened several times and it scares me. I'm just listening away and writing down stuff and WHAM. One or more stations from the pileup send their calls almost zero beat with this secret station. The little old SWL-30 has no AGC and I get a test of my physical reaction time from paper to yanking the headphones lose. :-) ; -) The scary part comes from the rules and regs whereby we operate on 30 meters as lesser evil and if I remember correctly we are not to interfere with commercial traffic in progress. If these organizations and corporations start to complain --- guess who gets to lose their share of the band? I knew you knew.

Now I think the ARRL still does not allow DXCC endorsements for 30 m but they did start on 17 m. The ARRL may just want to consider, and I realize this is a political, social, and economic nightmare, the removal of any DXCC contacts or counts for 30 meters to stop the overrun of the band with the resulting pileups. When the pileup starts I figure that I lose about 5 or more KHz of the band of which I'm limited to 25 KHz on a good night....

Last night I was in QSO with someone when the pileup started at 10.115 and he and I were at 10.117 or so. Guess who moved to 80 m? Pulled out the old SWL-80 (can you tell I'm an NN1G fan?) and worked a W6. Neat band without the QRN. I did have to go from the MFJ-941C to the TenTec tuner to get the SWR down under 2.5:1. The final PA in the SWL-80 was hot even at 0.9W out.

FYI

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com

TMPS-2001 Feb 08, 2001 Q's = 110 States = 31 Counties = 99 DXCC = 7
SWL-30 with CMOS 3 keyer and HB Iambic Paddle 0.500W and vee-beam

ID TX LA CA AZ NM WY NV MT CO OR ME KY WA SD NE NC AR IA GA HI MN AL WI MD (first
25)
OH CT MO SC TN OK (in order worked)

DXCC --- K XE VE KH6 V73 HI3 FM5

Date: Thu, 08 Feb 2001 10:37:00 -0600
From: Richard Matthews <prm@hiwaay.net>
To: n2tpa@juno.com, qrp-1@lehigh.edu
Subject: [90954] Re: Lightning concerns
Message-ID: <3.0.1.32.20010208103700.0171d100@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm probably a dummy . . well, it goes beyond probability . . .or maybe I'm just lucky, but I have never taken any-zero-none precautions against lightning strikes in my 40 years of being on ham radio and I cannot ever remember losing one piece of equipment in the shack or in the whole house, for that matter, to a lightning strike.

So it makes me wonder how many hams, reading this list, have ever had the shack struck by lightning. I think there are some who have been, but it will be interesting to see what the percentage is.

While we are on the subject of catastrophic events happening to us, I have never been bitten by a shark, rattlesnake, nor rabid dog .. never been swept up by a tornado, hurricane, nor an earthquake . . .I must have led a charmed life.

I'm just kidding, I know we need to take precautions, but I always try to take the precaution of not being too precautionous.

On another subject, I had two nice Warbler PSK QSO's last night, one station was in Kentucky and the other in South Florida. Both of these guys have been a ham since before dirt and it is always a joy to me to see older hams adapting to the new modes. Chatting with these old guys is like going back

in ham radio history. Most of them have some great stories to tell. I think my 40 years, as a ham, is a lot untill I run across one, like those last night, that have been hamming 65 years . . what a great hobby this is.

73,

Richard, WA4NWW

Date: Thu, 08 Feb 2001 11:44:53 -0500
From: KG4DXE@netscape.net (Kelly & Tammie McDonald)
To: qrp-1@lehigh.edu
Subject: [90955] [HB] Colpitts output voltage peaking.
Message-ID: <781D95FE.20C0EE47.000462E3@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all.

I was wanting to verify that a colpitts osc (out of W1FB QRP Notebook, page 36 Fig 3-4a for 7.040mhz) did have an output impedance of 50 ohms.

To do this I put a pot. at the output, and then measured the voltage across the pot. and then measure the voltage out vs Ohms termination and determine current out, and then power out.

What I expected was to see the voltage go up as the resistance went up, with power peaking at correct termination, but instead I saw the VOLTAGE peaking at the proper termination resistance.

Am I seeing a function of the output network (I.e. more power is going to feedback) or am I seeing a function of the signal reflection?

I'm sure if I would write nodal equations for the osc & figure it, I would see why this would happen, but I'm not too sure how to do this for an oscillator.

Thanks,
Kelly W4KPM ex KG4DXE

Get your own FREE, personal Netscape Webmail account today at <http://webmail.netscape.com/>

Date: Thu, 8 Feb 2001 11:55:11 -0500

From: "Russ Hines" <radioruss@fuse.net>
To: <n2tpa@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90956] Re: Lightning concerns
Message-ID: <005601c091ef\$e7539640\$040e44d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Bill Lazure <n2tpa@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, February 08, 2001 10:53 AM
Subject: Lightning concerns

> --With decent Gas Discharge arrestors costing \$40 each, if I purchase one
> for each antenna I have strung up, that's more than \$250. Is there a
> less costly alternative?

I'd guess \$250 is quite a bit less costly than having to buy new rigs to
attach to those feedlines. ;-)

73,
Russ Hines
WB8ZCC
radioruss@fuse.net
wb8zcc@arrl.net
<http://home.fuse.net/radioruss>

Date: Thu, 8 Feb 2001 09:01:04 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: <n2tpa@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90957] Re: Lightning concerns
Message-ID: <006901c091f0\$b991e9e0\$222179a5@de11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill,

I have 4 lines entering my house. I have installed impulse suppressors

(static, and near field lightning strikes) from Industrial Communications Engineers (ICE). From static discharge, I had popped the front ends on 4 different SW radios in the past. After installing the ICE protectors, I've had no failures. I use them with all my ham gear now. I recommend their products without reservation. Cable Experts carries the complete ICE catalog.

I have a small sheet of marine grade plywood on the side of my house (just outside my shack). I mount the ICE boxes to this. Each coaxial line connects to its own ICE box. Each ICE box has its own 10 gauge ground wire running to an 8 ft ground rod driven 1 foot below the board. The other side of the ICE box has short coax jumpers to get just inside my shack wall where I have mounted bulk head connectors. This allows me to disconnect all my lines right at the wall in my shack if necessary.

I have short jumpers from the bulkhead connectors to a 4 position Alpha Delta coax switch. The Alpha Delta switch has its own built in ARC-Plug for additional static or impulse suppression (near field lightning strikes). Additionally, when in the COM position, all coax runs are grounded for additional protection.

This is really a simple and effective arrangement to protect your radio gear and house. During periods of lightning, I will disconnect the cables at the bulkhead connectors. When not in use, I move the coax switch to the comm position. When in use, I don't worry like I used to about cooking a radio.

Good luck, Tracy
W7TRX

----- Original Message -----

From: Bill Lazure <n2tpa@juno.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, February 08, 2001 7:53 AM

Subject: Lightning concerns

> Gang,

>

> All the talk lately about discharging static and protecting
> rigs/antennas from it, leaves me with a question:

>

> -I know the best method of protection is by disconnecting antennas,
> shorting them to ground, and leaving them outside of your shack. My
> feedlines are hard to disconnect and even harder to pull outside. I
> don't currently ground them as I don't want the discharge path to be
> INSIDE my shack.

>

> -The second best method (I've heard) is to attach lightning arrestors to
> each antenna feed in a box OUTSIDE of the shack. This allows higher
> voltage's current to discharge to ground outside of the shack, while
> allowing me to simply leave the feedlines unterminated inside.
>
> --With decent Gas Discharge arrestors costing \$40 each, if I purchase one
> for each antenna I have strung up, that's more than \$250. Is there a
> less costly alternative?
> -I've heard of using spark plugs as a "spark gap"
> -I've seen AM transmit towers using two closely spaced balls as a
> "spark gap"
> -Even the high voltage transformers on my TV transmitter (at
> work) use two sharp points as a "spark gap"
>
> While not as predictable and effective as a gas tube, how well do spark
> gaps work at shunting current to ground? This assumes, of course, that
> the equipment is disconnected and the feedline is dangling. The only
> path to ground will be through this gap.
>
> Does the capacitance of the gap have much effect on the apparent
> impedance/resonance of the antenna (using coax feedlines to resonant
> antennas)?
>
> I'd like to make up a box that will sit outside of my shack containing
> several of these gaps, and tied to the best ground I can provide. If
> they're useless in this regard, I may "bite the bullet" and buy discharge
> tubes, but I'd like to explore this option first.
>
> I never run more than 75 watts, so concerns of shunting my intended
> output signal are not an issue.
>
> Anyone have any thoughts on this?
>
> 73,
>
> Bill
> W2EB
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Thu, 08 Feb 2001 11:03:17 -0600
From: Mike <mmorrow@companet.net>

To: n2apb@erols.com
Cc: qrp-1@lehigh.edu
Subject: [90958] Re: Info about FT817
Message-ID: <3A82D155.9DA@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George Heron N2APB wrote of the FT-817:

> Yaesu has really worked with us QRPers this one -- it is really nice
> to see a manufacturer appreciate its customers and provide a product
> in direct response to the voice of the crowd.

George,

I believe the evidence shows there was NO cooperation between Yaesu and the traditional QRP market, other than agreeing to foreign market a rig the was designed primarily for the Japanese low power licensee (the Fourth Class license).

Fourth Class license holders comprise about 92 percent of the three million licensed Japanese hams, and they are allowed:

All modes except CW
All bands except 10, 14, 18 MHZ, power limit 10 watts.
All bands above 30MHz, power limit 20 watts.

This is THE market for whom the FT-817 was tailored, and since they are 2.8 million strong, they'll ALWAYS be a much more important group for ANY Japanese manufacturer than the rest of the QRP world combined.

I do hold some (baseless) hope that the extremely high receive current consumption (380 mA) of the FT-817 will be ameliorated in a future rig.

73,

Mike / KK5F

Date: Thu, 08 Feb 2001 09:21:42 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [90959] Re: 2001 ARRL DX contest
Message-ID: <3A82D5A6.D0E562EE@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

uh... yes, the -exchange- would be 599 GA...

When you send your callsign, if you are not in the same DXCC "entity" as your call sign would indicate, you must ID with the entity you are in. The point being that where you are, DXCC-wise, must be clear.

If you stay in GA, your "N4" is enough to indicate you are within the continental US, so N4MAP is what you send.

But if you go to Hawaii, you must ID as KH6/N4MAP, since Hawaii is a different entity as far as DXCC is concerned.

If you go to CA, even though it is a different planet than GA ;-), you would still send only N4MAP since you are still within the same DXCC entity - no need to send N4MAP/W6.

hope this helps! - 7[0..9] - jeff wk6i

"John L. \"Jake\" Carter" wrote:

>

> Sam -- N4MAP:

>

> For the ARRL DX Contest you send 599/GA.

>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Sam Smith

> Sent: Thursday, February 08, 2001 8:36 AM

> To: Low Power Amateur Radio Discussion

> Subject: 2001 ARRL DX contest

>

> So what does that exchange mean? My callsign must indicate my location -

> so do I send N4MAP/GA? or N4MAP/W4?

>

> As you can guess, I'm new to contesting - doubtful that I can find

> anyone sending slow enough to exchange with...

--

jeff stai

WK6I DM13

NAR #21059 TRA #3356 L2

jstai@home.com / wk6i@arrl.net

ROC web page: <http://www.rocstock.org/>

Date: Thu, 08 Feb 2001 11:29:47 -0600
From: "DONALD G. DORN" <DDORN@CWIS.NET>
To: Low Power Amateur Radio <QRP-L@LEHIGH.EDU>
Subject: [90960] NE602 WHERE OH WHERE?
Message-ID: <3A82D78B.A83184D5@CWIS.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,
Where are we getting NE602's these days. Anybody know?
73,
Don K5AAR

Date: Thu, 8 Feb 2001 09:32:04 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90961] Re: [fpqrp] 30m antennas
Message-ID: <20010208173204.50725.qmail@web9602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I primarily use an off-center fed dipole, approx. 180 feet long (or more) fed about 66 feet from one end. its average height is only 25 feet due to my supports and sloping terrain. it does seem to have "presence" in breaking small pile-ups on the band, and also works pretty well on 40m.

I think at 30m horizontal antennas at reasonable heights are still pretty effective. Below this in frequency the need to go vertical for dX is higher.

I can also imagine the R7 being especially good on 30m. I have an R5 that does load up well on 30m and works DX although it probably loses several dB in the unmatched coax. also i have noticed in using the R5 in three different installations, its performance is very highly dependant on surroundings. it will work better on some bands than others, not the same ones for the different installations!

the bottom line, is that at 30m a decent horizontal antenna will work as well as a vertical. 10 MHz just seems to be a great frequency - glad we got a band there and with power restrictions to allow us all to be competitive there - QRP or QRO.

curt wb8yyy

--- N10DL@aol.com wrote:

> I use the R7 vertical mounted up 8' in the woods
> most of the time. I also use
> a Windom dipole up 45'. the R7 seems to hear better
> on 30 meters.
> Aron
> N10DL/qrp
> Bedford, NH

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Thu, 08 Feb 2001 17:35:48
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: DDORN@CWIS.NET
Cc: qrp-1@Lehigh.EDU
Subject: [90962] Re: NE602 WHERE OH WHERE?
Message-ID: <F1050tWqhUYLqVpUOF90000c6f2@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I recently got some NE-612's from radio shack online, which i think are plug compatible with 602's. Havene't tried them yet though.

73 - Mike

>Where are we getting NE602's these days. Anybody know?
>73,
>Don K5AAR
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 8 Feb 2001 12:33:35 -0500
From: "James P. Osburn, P.E." <osburn@mach500.net>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [90963] Klunky Server
Message-ID: <001401c091f5\$49a2e080\$3907668b@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The server with the Klunky schematic editor should be back
within 24 hours. In the mean time use the qsl.net copy.
<http://www.qsl.net/wd9eyb/klunky>

Jim, WD9EYB

P.S. My email account there will be back too, so please standby.

Reply-To: j.p.osburn@ieee.org

Date: Thu, 08 Feb 2001 12:47:15 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: k7qo@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [90964] Re: YK1A -- 30m 10.115.2
Message-ID: <3A82DBA3.817BA93C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck,

You have a Division Director, a Section Communication Manager and other
ARRL personnel to contact with your gripes/ I assure you they will get
more response than complaining to this list!

Oh, I suppose you are a member?

Date: Thu, 08 Feb 2001 12:53:50 -0500
From: Ed Kessler <edkess@epix.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: James Skalski <jskalski@bellatlantic.net>, "Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>, Wes Hayward <W7ZOI@teleport.com>,
Larry Thomas <aa3px@intergrafix.net>
Subject: [90965] Progressive Receiver Update
Message-ID: <5.0.2.1.0.20010208124801.009f7e10@mailhost.epix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Again, for those interested . . .
Was listening to 15m today on the receiver. Tonight, if my XYL allows it,
I'll finish the 10m module, and complete the receiver converters.

I've also included a graphic link on my web page for my Progressive
Receiver mixing scheme:

<http://www.qsl.net/aa3sj/Images/Prog-Mix.jpg>

<http://www.qsl.net/aa3sj/HOME.html>

73s,
Happy Building,
Ed AA3SJ

Date: Thu, 8 Feb 2001 11:57:04 -0600 (CST)
From: ac5ez@webtv.net (Larry)
To: qrp-l@lehigh.edu
Subject: [90966] paddles
Message-ID: <16913-3A82DDF0-560@storefull-115.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Jake
Thats what I voted for also, the Brass Racer. Great minds think alike.

K1zw
Larry
Qcwa

Date: Thu, 08 Feb 2001 10:00:08 -0800
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [90967] New SMT Kit
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430998016A@blaze.bcsc.GOV.BC.CA>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Has anyone heard when the new 10m SMT kit will be offered yet?

Doug VA7DD

MailTo:Doug.Davies@gems3.gov.bc.ca

Date: Thu, 08 Feb 2001 10:02:29 -0800
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [90968] MP-1 Antenna
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430998016B@blaze.bcsc.GOV.BC.CA>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Where can I find out more information about the MP-1 HF antenna. Saw it on George Herron's web site and would like to know more.

Doug VA7DD

MailTo:Doug.Davies@gems3.gov.bc.ca

Date: Thu, 08 Feb 2001 13:02:06 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: prm@hiwaay.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [90969] Re: Lightning concerns
Message-ID: <3A82DF1E.55418F58@erols.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard,

Try standing in the center of your local dragway about 75% of the way down the course to test your luck!

I have had one very near strike and one close experience. When I was a Novice, back in northern Ohio, I used a window antenna. It fed into the shack via a lightning arrestor outside a second floor bedroom. One night we had a lightning storm. In the morning I found the twin lead from the window disintegrated between the antenna and the lightning arrestor!

Much later, when living in Maryland, I was at a local supermarket about a mile from home when a lightning storm blew up. Before I could get my mother out of the store and into the car I witnessed a lightning strike that seemed to hit my house about a mile away. When I got home my TS130V seemed to have reduced sensitivity. While the lightning didn't strike anywhere near the house, I do believe there was some damage to the input FET. Fortunately it healed itself, because if you have ever looked at the construction of the TS130 you know that to get at the FET is a major construction job!

Moral of the story. I keep the antennas disconnected from the rig unless I am on the air!

73

Date: Thu, 8 Feb 2001 12:12:28 -0600
From: "James Parsons" <res075cz@gte.net>
To: <cw@qth.net>, <qrp-1@lehigh.edu>
Subject: [90970] WBL V22 Paddle SOLD, and other things...
Message-ID: <018c01c091fa\$b289ca00\$7c640304@vz.dsl.genuity.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry to all who inquired. The WBL paddle has been sold.

Some folks wanted to know why I sold it and what I got in place of the WBL. Well, I require very large and high paddles. We are all different and selecting a paddle is a very subjective process. I found the WBL paddles

were just not large enough for me, and the heavy taper caused my fingers to slip off of them. I tried to get Stan, W9WBL to make me larger paddles, but he was far too busy to do that.

I have used the Vibrokeyers mostly (I had four of them, now down to two and still like them), the GHD (did not like optical sensing), Bencher (much too light for me but good for portable) and a few others.

But I finally found my dream paddle. I just got a new Schurr Profi2 from Marshall Emm at Milestone Technologies. No, he is not a cousin of mine but he is full of information about keys and can well advise others. I have found the Schurr to be not only a beautiful key, but one of the most functional I have ever used. It has very large paddles which are thick and feel solid. The key operates at 30-35 WPM with ease, even with my arthritic fingers. In fact, normally at those speeds I have to go to my keyboard. But I have not yet had to do that with the Schurr. I cannot advise others because we all have our own likes and dislikes. But for me, the Schurr Profi2 is a keeper, and it will be with me the rest of my life (hey, I am 74...that only leaves me about 25 years).

I hope this answers the questions I have been getting....

73 de Jim, K5ROV...

James (Jim) Parsons, K5ROV, CMSgt, USAF, Ret., Ham for 60 yrs.
k5rov@arrl.net, QCWA, ARCI, Fists, ARRL, ARMS.
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Thu, 8 Feb 2001 10:24:56 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [90971] FET's that heal themselves???
Message-ID: <01c091fc\$70630ea0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I am a science teacher and like to think that I am open minded. I just saw a posting on this list where it was claimed that a radio was near a lighting strike and suffered damage, and then healed itself. I gotta say I question that one. But if it is possible, I would like to have it explained. 72, Doug

Date: Thu, 8 Feb 2001 12:23:31 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [90972] RE: Lightning concerns
Message-ID: <000001c091fc\$3e602b90\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

DO NOT USE ONE OF THESE THINGS AND EXPECT PROTECTION AGAINST A DIRECT STRIKE! Yes they will protect against a strike as close as maybe 20 yards but don't push your luck. I was in my shack remodeling it when a storm blew up. None of the rigs were present but the coax was fed into the room. Lightning hit the tower directly. It was like being on the bridge of the Enterprise when the Romulans were attacking! There were sparks, smoke and all kinds of strange smells. I HAD "PROTECTION" on the tower. It went right through the "protection" and into my shack. If the rigs were anywhere near the ends of the coax they would have been toast! Don't risk it! Disconnect your rigs when a storm approaches and NEVER get on the air for any reason during a storm with anything other than a handy-talky and a rubber duck!

72/
Kevin, WB5RUE
<http://www.qsl.net/wb5rue>

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> W7TRX
> Sent: Thursday, February 08, 2001 11:01 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Lightning concerns
>
>
> Bill,
>
> I have 4 lines entering my house. I have installed
> impulse suppressors (static, and near field
> lightning strikes) from Industrial Communications
> Engineers (ICE). From static discharge, I had popped the
> front ends on 4 different SW radios in the past.
> After installing the ICE protectors, I've

> had no failures. I use them with all my ham gear now. I
> recommend their products without reservation.
> Cable Experts carries the complete ICE catalog.

Date: Thu, 08 Feb 2001 12:17:12 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [90973] N0IT 2/6 Cub Fox Hunt: Final Log
Message-ID: <3A82E2A8.6DE8891E@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Attached is final log for the N0IT cub fox hunt on February 6 UTC. Since no one claimed to be the op I worked at 0250 with broken call, I dropped them from the log, leaving a total of 57, including one dupe.

Thanks again to all for a fun night.

73 de Dave, N0IT

UTC	CALL	HIS	RST	MY	RST	STATE	NAME	POWER
0201	W0CH	579		579		MO	DAVE	1W
0202	W5YR	579		559		TX	GEORGE	5W
0203	W9WIS	559		559		WI	MIKE	5W
0205	K9IUA	559		559		ND	KEVIN	5W
0206	N4SO	559		599		AL	KEN	5W
0208	N4ROA	579		599		VA	DAN	4W
0209	W8YMO	569		559		OH	HARRY	5W
0210	K4TJD	559		559		GA	TOM	5W
0211	AB5XQ	559		559		AR	BILL	5W
0212	N04D	559		559		SC	KEN	2W
0214	KV4EE	559		559		SC	CRAIG	5W
0215	W3ERU	559		559		MD	WES	5W
0217	AC5JH	559		559		OK	TOM	5W
0218	AF4PS	559		569		FL	MAC	4W
0219	W3PNL	559		579		PA	JOE	3W
0220	K0EVZ	559		579		ND	DOC	5W
0221	N4VM	559		559		TN	BRYN	5W
0222	N8VAR	559		559		OH	RON	5W
0223	W6ABC	559		559		CA	JACK	5W
0224	KC1FB	559		559		CT	JIM	5W

0225	KK5LD	559	559	TX	DAN	5W
0226	WB8ICN	559	599	MI	MIKE	5W
0229	WA7TQK	559	559	ID	BILL	5W
0230	KB3E0F	559	559	MD	MURPHY	5W
0232	K8DD	559	569	MI	HANK	5W
0233	WA9PWP	559	579	WI	PAUL	5W
0234	KU4TN	559	559	VA	JAMES	1W
0237	N9WW	559	559	IL	JIM	5W
0237	N50HL	559	599	OK	JIM	5W
0242	N10DL	569	559	NH	ARON	4W
0243	N0MII	599	599	MO	JEFF	5W
0244	AA7XA	559	559	OR	FRANK	5W
0245	KI0II	579	559	CO	RON	5W
0247	AA7EQ	559	559	AZ	BOB	5W
0252	K5ZTY	579	589	TX	BILL	5W
0253	N1TP	579	559	FL	TOM	5W
0255	NC90	579	579	IL	SKIP	1W
0256	N0TU	559	579	CO	STEVE	2W
0258	N50HL	559	559	OK	JIM	2W
0259	NF0R	579	599	MO	DAVE	500MW
0302	K4GT	559	559	GA	JIM	5W
0303	W7ILW	559	559	AZ	HOWARD	3W
0307	WU9F	559	559	WI	TERRY	5W
0309	AF4LQ	559	579	KY	MIKE	5W
0311	KG4FGC	559	599	NC	KEN	5W
0313	WQ8RP	559	549	MI	HANK	5W
0317	AE9K	559	559	WI	BRIAN	5W
0319	KD30G	559	599	NJ	STEVE	5W
0323	K4BYF	559	559	FL	JACK	5W
0325	WB8WTU	559	559	OH	DENNIS	5W
0327	K2PC	559	459	NY	PETE	5W
0329	N6WG	559	559	CA	BOB	5W
0334	VE3FAL	559	559	ONT	FRED	5W
0335	WE9K	559	559	WI	GLENN	1W
0340	KC0GXX	559	559	NE	TOM	3W
0344	WK6I	559	559	CA	JEFF	5W
0350	N0IT	599	599	MO	DAVE	5W

Date: Thu, 8 Feb 2001 12:39:09 -0600
From: "Ron Ochu" <rochu01@mail.win.org>
To: <prm@hiwaay.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90974] Re: Lightning concerns
Message-ID: <200102081839.f18IdAA26575@wins0.win.org>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Richard,

I read your e-mail and I've been reading the subsequent thread with much interest for on July 19, 2000 around 3:42 pm a thunderstorm came out of the northwest and Thor put a bolt smack dap down my tower. After twenty plus years of hamming and never having a strike my number was finally up.

Although the coax was disconnected from the rigs and my tower is grounded with one 8' rod and two 4' rods all tied together with #6 gage wire the strike still burned up my rigs as well as rotor and its control. The lightning struck my Mosley TA-33 triband yagi on the director (gnd side) and melted the trap's windings, the current proceeded down the coax and at periodic spots the coax is blown out (here's a case for standing waves!)

Once inside the shack the lightning sought ground through the AC lines; even though all my rigs are disconnected from the coax and they are grounded to a 1/2" copper grounding bus that inturn is grounded to the copper cold water pipe. Everything had surge protectors on them.

All my Astron power supplies were burned up as were the rigs attached to them which included a TS 440 SAT and a TM-221. My brand new computer purchased at Dayton also became a victim. Not to mention a VCR, telephone, garage door opener, TV set, and a CD player located elsewhere in the house were destroyed.

Foutunately no one was hurt.

Since that time I still have surge protectors but each leg of the tower is grounded but I also used a section of old hardline and the tower's mast is now attached to it through a 2" braid and the other end of the hardline is grounded through a 2" braid. The thought being that this will offer lightning the least path of resistance. All antennas are terminated in a gas discharge protector and when severe wx strikes I will have my antennas disconnected from the rigs as well as power cords.

73,

Ron, K00Z

From: Richard Matthews <prm@hiwaay.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: Re: Lightning concerns
Date: Thursday, February 08, 2001 10:37 AM

I'm probably a dummy . . well, it goes beyond probability . . .or maybe I'm just lucky, but I have never taken any-zero-none precautions against lightning strikes in my 40 years of being on ham radio and I cannot ever remember losing one piece of equipment in the shack or in the whole house, for that matter, to a lightning strike.

So it makes me wonder how many hams, reading this list, have ever had the shack struck by lightning. I think there are some who have been, but it will be interesting to see what the percentage is.

While we are on the subject of catastrophic events happening to us, I have never been bitten by a shark, rattlesnake, nor rabid dog .. never been swept up by a tornado, hurricane, nor an earthquake . . .I must have led a charmed life.

I'm just kidding, I know we need to take precautions, but I always try to take the precaution of not being too precautions.

On another subject, I had two nice Warbler PSK QSO's last night, one station was in Kentucky and the other in South Florida. Both of these guys have been a ham since before dirt and it is always a joy to me to see older hams adapting to the new modes. Chatting with these old guys is like going back in ham radio history. Most of them have some great stories to tell. I think my 40 years, as a ham, is a lot until I run across one, like those last night, that have been hamming 65 years . . what a great hobby this is.

73,

Richard, WA4NWW

Date: Thu, 08 Feb 2001 12:39:35 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90975] Re: Lightning concerns
Message-ID: <3A82E7E6.A1482014@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bruce Muscolino wrote:

> I have had one very near strike and one close experience.

Bruce, I had a close experience some thirty years ago. We were repairing a water pump at a pumping station. Three of us were standing on one side of hole in the floor about five feet across.

A bad thunderstorm popped up and while we were taking a break, the building took a direct hit. The cover blew off the electrical mains a few feet behind us. The three of us found ourselves on the other side of the hole. We didn't get hit but somehow an unexpected explosion behind you can be a real motivator as far as broad jumping.

So far as a ham I have been lucky. Several of my neighbors have lost phone lines or appliances but I've been spared.

Be careful,
73 de Dave, N0IT

Date: Wed, 07 Feb 2001 11:41:57 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: bpwebb@mastnet.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90976] Re: 72 vs 73
Message-ID: <3.0.2.32.20010207114157.007e4e70@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

The use of 72 was new to me when I started doing serious QRP a few years ago.

One description I saw was that *QRPers do it with less*.

Oh well...

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
NETXQRP =96 <http://www.angelfire.com/tx4/netxqrpclub/>
[TMPS] Qs - 18 States - 12 DXCC - 5 @ 3W to Butternut HF9V

Date: Wed, 07 Feb 2001 11:53:52 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [90977] TT2 Beacon tonight
Message-ID: <3.0.2.32.20010207115352.007e1c60@mail.globeco.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

QRP-Lers,

I have a TT2 circuit with some W1FB mods that I built Manhattan style. It puts out about 150 mW. I'm going to put it on beacon mode tonight from 0100 to 0130. The frequency is at 7126 kHz. If you listen for it and hear it, I'd like to hear from you.

I'm keying it with a PK-3 keyer and the whole thing will be running from batteries. Antenna will be my Inv V favoring E/W.

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
NETXQRP =96 <http://www.angelfire.com/tx4/netxqrpclub/>
[TMPS] Qs - 18 States - 12 DXCC - 5 @ 3W to Butternut HF9V

Date: Thu, 08 Feb 2001 10:58:23 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: Doug.Davies@gems3.gov.bc.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90978] Re: MP-1 Antenna
Message-ID: <3A82EC4F.88EC352B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.superantennas.com/mp1.html>

73, Phil

"Davies, Doug A FOR:EX" wrote:

>

> Where can I find out more information about the MP-1 HF antenna. Saw it on
> George Herron's web site and would like to know more.

>

> Doug VA7DD

> MailTo:Doug.Davies@gems3.gov.bc.ca

Date: Thu, 8 Feb 2001 11:06:46 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [90979] current consumption in FT817???
Message-ID: <01c09202\$48645a20\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, could we get some of you FT817 owners to make some current measurements for us. Please do it this way.

1. No signal current using headphones.
2. No signal current using speaker.
3. Strong signal using headphones (I suggest that use an AM broadcast carrier on 40 meters (not my idea but one of the guys that measured current on the K1 came up with it.) Use a level that you would use when operating your rig.
4. Strong signal using speaker (I suggest that use an AM broadcast carrier on 40 meters (not my idea but one of the guys that measured current on the K1 came up with it.) Use a level that you would use when operating your rig.
5. Post these figures to the list so we can all see them. Thanks, Doug, KI6DS

Date: Thu, 8 Feb 2001 14:04:16 -0500 (EST)
From: <igeq100@iupui.edu>
To: Ron Ochu <rochu01@mail.win.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90980] Re: Lightning concerns
Message-ID: <Pine.GS0.3.96.1010208135836.22569A-1000000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, All -

To add my comments to the thread. For each of my feedlines, I build a little ground-level "birdhouse" with a hinged lid. The top of an 8-foot ground rod protudes into the bottom of the box, and an MFJ gas-discharge protector is mounted to the top of the rod. When a storm threatens, or when I will be gone for any extended time, I disconnect the coax that enters the house from the protector and move it physically away from its connection. Even though this should be enough, I still

disconnect my rigs from the coax at the shack end, and unplug them from the wall. Perhaps this is excessive, but I would be quite mournful if some of my equipment did get zapped.

Just my two cents.

Richard Meiss, WB9LPU
Speedway, IN (where there are lots of summer thunderstorms)

Date: Thu, 08 Feb 2001 09:24:46 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [90981] Re: RF/AF gain and AGC
Message-ID: <001001c09201\$c3dae8a0\$4cc6a9d8@com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

> Huh?

> For sideband, you just might want to keep that BFO, LO or some kind of
> oscillator injection... you might not detect a lot with out it. ;-)

Of course you need to have a signal being injected but you no longer have a BFO.

Find an old receiver like a 75A1 and listen to some SSB. You will soon understand just how nice the new system is!

However, SSB still sounds like Donald Duck even on the best of rigs! :-)

(Oh boy, I'll bet I'll catch some flack with that remark! Even though it is true!)

OK, back in my hole.....

cul, Ron KU7Y
Full time RVing somewhere in the West!
(Currently near Quartzsite, AZ)
A Proud AZScQRPion
64,999,987 firearm owners killed no one yesterday

Date: Thu, 8 Feb 2001 14:19:25 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <ki6ds@dph.dpol.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90982] Re: FET's that heal themselves???
Message-ID: <006e01c09204\$10907140\$4907b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>But if it is possible, I would like to have it explained.

Well, it is said that people have "Near Death Experiences."

Maybe it happens with radios, too. (?) <GRIN>

73,
Dick K2JQ

Date: Thu, 08 Feb 2001 13:23:25 -0600
From: "George, W5YR" <w5yr@att.net>
To: k2jq@bestweb.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90983] Re: FET's that heal themselves???
Message-ID: <3A82F22D.24A9362D@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maybe FETs are like physicians . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Richard Brummer, K2JQ" wrote:

>
> >But if it is possible, I would like to have it explained.
>
> Well, it is said that people have "Near Death Experiences."
>
> Maybe it happens with radios, too. (?) <GRIN>
>
> 73,
> Dick K2JQ

Date: Thu, 8 Feb 2001 14:26:49 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <k2jq@bestweb.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90984] Re: FET's that heal themselves???
Message-ID: <00b701c09205\$15c815e0\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is possible that a device can be hit by a static charge and still operate. It may suffer however from latent damage where some of the devices silicon dioxide layer (gate oxide MOSFET) contain tiny pinholes due to a strike. Or worse. The device can operate as per normal but suddenly cease to operate. It may appear that the device has healed itself I suppose but has been damaged to the point where it is unreliable. In a severe strike, it's not likely the device will survive.

Another interesting fact is that some people may be operating gear that has latent damage creating intermittent operation. Interestingly enough, when you look for the snag, the radio operates as per normal. Latent damage is one of the most difficult snags to find.

Keep this in mind if you have a rig that is intermittent yet when you go to repair it, operates normally.

Regards,
Robert
VE3RPF

----- Original Message -----

From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, February 08, 2001 2:19 PM
Subject: Re: FET's that heal themselves???

> >But if it is possible, I would like to have it explained.
>
> Well, it is said that people have "Near Death Experiences."
>
> Maybe it happens with radios, too. (?) <GRIN>
>
> 73,
> Dick K2JQ
>
>
>

Date: Thu, 08 Feb 2001 14:42:03 -0500
From: KG4DXE@netscape.net (Kelly & Tammie McDonald)
To: qrp-1@lehigh.edu
Subject: [90985] re:[HB] Colpitts output voltage peaking.
Message-ID: <48919F05.06B91042.000462E3@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At the advice of Bruce (w6toy) I'll add some other details about my question.

My measurements were made using first with a 500ohm pot and a make-shift RF probe taken from Solid State Design (Page 144 Figure 3, not all components are exact, but close)

I took my measurement from the point where the load is supposed to be attached (i.e. buffer-amp or DBMixer) just after the final bypass cap.

The voltage without a load is .8 v but with a 50ohm load it is about 1.3v.

I moved the pot up and down, and then left it in the place where the voltage peaked (again, not what I expected) and then measured the resistance, close to 50 ohms. I thought perhaps my resolution with a trimmer pot wasn't going to be that good, so I hooked up a 1k pot through a 9:1 transformer and sure enough, the voltage peaked again around 450 ohms.

All measurements with the RF probe were from the same place.

I will say that I AM a rank beginner, and if I am just embarrassing myself with this question, well, it wouldn't be the first time, and it sure won't be the last. I just learn a lot from asking stupid questions HI HI.

I agree that what I am seeing doesn't make any sense, but that's why I'm confused and asking for comments/suggestions. I am well aware that the problem may just be the experimenter!!

73,
Kelly
W4KPM

Get your own FREE, personal Netscape Webmail account today at <http://webmail.netscape.com/>

Date: Thu, 08 Feb 2001 11:27:09 -0800
From: John Arnold <arnoldas@pacbell.net>
To: qrp-1@Lehigh.EDU
Subject: [90986] SA602AN Parts in Stock
Message-ID: <3A82F30C.C0B3F8C5@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi all,

I just ordered SA602AN parts from DC Electronics in Scottsdale, AZ for \$2.50 each !! I hope they're real and that I get them. Their phone number is 1-800-467-7736. Apparently they just got an order of parts and have lots (?) of them.

John, WA6YSY in Monterey, CA, USA

Date: Thu, 08 Feb 2001 15:13:08 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: ki6ds@dph.dpol.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [90987] Re: FET's that heal themselves???
Message-ID: <3A82FDD4.1BF9B362@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug,

Since I posted that, you could have asked me directly. I said it might have happened. I also said the bands were pretty dead for several days after the event. I really don't know whether it happened or not. Junction damage in Dual Gate Mosfets is not necessarily fatal, they can be destroyed bit by bit! Read up on the theory!

73

Date: Thu, 8 Feb 2001 14:23:00 -0600
From: "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>
To: qrp-1@Lehigh.EDU
Subject: [90988] Re: Lightning concerns
Message-ID: <0F0FA858BC.0186FA0D-0N862569ED.006DC529@cis.okstate.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Hello all,

I have read this thread with interest as I contemplate putting up my first outdoor antennas. Here's my \$0.02 worth...

Back in the late '80's I was standing on top of a building in Provo, UT (in a valley) watching a graupel storm from under the safety of my umbrella. Suddenly, the umbrella started to crackle while my hand started to tingle. It was over before I could do anything about it. A few moments later the crack of thunder from the main bolt rolled in from off the mountainside. Luckily, I was at the end of a feeder rather than at ground zero! Rain storms aren't the only things that can cause lightning. Snow and graupel storms can do it too. In fact, dad has seen it out of a clear blue sky! Moral of the story: Its probably best to disconnect your rig when not in use.

Another tidbit that I'm going to have to look up and read again is an article from Scientific American's Amateur Scientist series. I believe it appeared in the late '60's. It compared the earth and thunderstorm system to a large (okay, _LARGE_) Van DeGraff generator and told how one might measure the earth's electric field. There is an electric field gradient that exists naturally __all the time__ and can take on extraordinary values near thunderstorms. Anything that can remove charge (wind, rain, snow, etc...) from an insulated antenna or other metal object will do so until the object reaches an equilibrium state with the environment, leaving it ready to zap the unwary.

72's de Matthew, AD5AP

Date: Thu, 08 Feb 2001 15:22:38 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kandrparker@sympatico.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [90989] Re: FET's that heal themselves???
Message-ID: <3A83000E.D7619F3A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Amen. But I doubt that any of the naysayers on this list have ever done much solid state design. It is a fairly well established phenomena that is of concern in aircraft avionics.

Thanks for the support!

73

Date: Thu, 8 Feb 2001 12:35:08 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [90990] Re: FET's that heal themselves???
Message-ID: <01c0920e\$a0782640\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Doug,

>

>Since I posted that, you could have asked me directly. I said it might
>have happened. I also said the bands were pretty dead for several days
>after the event. I really don't know whether it happened or not.

>Junction damage in Dual Gate Mosfets is not necessarily fatal, they can
>be destroyed bit by bit! Read up on the theory!

>

>73

Bruce, here is what you said:

Date: Thu, 08 Feb 2001 13:02:06 -0500
From: Bruce Muscolino <w6toy@erols.com>
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD {RCN} (Win98; I)
X-Accept-Language: en

MIME-Version: 1.0To: prm@hiwaay.net
CC: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: Re: Lightning concerns
References: <3.0.1.32.20010208103700.0171d100@hiwaay.net>
Content-Type: text/plain; charset=us-asciiContent-Transfer-Encoding: 7bit
X-0rcpt: rfc822;qrp-1@listserv.cc.lehigh.eduRichard,
Try standing in the center of your local dragway about 75% of the way
down the course to test your luck!
I have had one very near strike and one close experience. When I was a
Novice, back in northern Ohio, I used a windom antenna. IT fed into the
shack via a lightening arrestor outside a second floor bedroom. One
night we had a lightening storm. In the morning I found the twin lead
from the windom disintegrated between the antenna and the
lighteningarrestor!
Much later, when living in Maryland, I was at a local supermarket about
a mile fro home when a lightening storm blew up. Before I could get my
mother out of the store and into the car I witnessed a lightening strike
that seemed to hit my house about a mile away. When I got home my
TS130V seemed to have reduced sensitivity. While the lightening didn't
strike anywhere near the house, I do believe their was some damage to
the input FET. Fortunately it healed itself, because if you have ever
looked at the construction of the TS130 you know that to get at the FET
is a major construction job!
Moral of the story. I keep the antennas disconnected from the rig
unless I am on the air!73

You didn't say anything about the bands being dead.
You also said that it did heal itself.

I never said that damage could not happen from a lightning strike. My
question was how does a FET heal itself as you said it did. I asked for an
explanation as to how this could happen.

72, Doug

Date: Thu, 08 Feb 2001 14:43:55 -0600
From: Michael Melland <badger@vbe.com>
To: mwc@okstate.edu, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90991] RE: Lightning concerns
Message-ID: <NEBBLKAGEKBNGELOFFCAAEPHCDAABadger@vbe.com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

> Snow and graupel storms can do it too.

Ok.... I'll bite. I admit my Cheesehead ignorance..... just what is a graupel storm ? BTW I see static created by snow up here all the time. Last winter it fried a Kenwood TS-940 of a friend who left it hooked to the antenna in one of our severe snow storms.

73 de Mike Melland, W9WIS

Date: Thu, 8 Feb 2001 14:33:55 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [90992] Light Dimmers and RFI
Message-ID: <20010208.143356.14374.9.n4so@juno.com>

--discussed in Radio Frequency Interference by
ARRL -- pages 44 and 45// schematic of a light dimmer
circuit in Fig. 21.

"These dimmers use SCRs or triacs to control the brightness of the incandescent lamps. The triac or SCR is continually switching from a high-impedance state to a low impedance, usually in less than a microsecond."

The solution is a choke coil L1 in series with one side of the input circuit and C1 across the input circuit.
Values for components are not shown.

"Curing RF Noise in a Fluorescent SHOP Light" in a past QST cured RFI in a starter circuit from a silicon controlled rectifier (SCR) by a .22 uF seal-healing metalized-film capacitor across hot and neutral where the line cord enters the fixture. The capacitor is a special one rated for across the line AC service-- Panasonic part nr ECQ-U2A224MV carried as part P4612 by Digi-Key Corp., or the equivalent for across the line AC service.

Notes: compare Brute Force AC line filter using .006 uf again for AC line service, L1 and L2 forms the pi-network consisting of 45 turns of no. 10 enamel wire.
Page 53 shows two .001 Mfd at 1Kv disk caps and two 50 mH RF chokes across the AC line.

Ken Brown N4SO
Mobile, AL EM50tk

NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Thu, 08 Feb 2001 14:46:35 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-L@lehigh.edu
Subject: [90993] DX - Rites of Spring @2050Z
Message-ID: <5.0.2.1.0.20010208143953.00a5ba10@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

F5NBX on 7.028 @ 2050Z

Celebrated the first warm day since November by setting up the St. Louis Vest Pocket Vertical in the yard and working OM Fred on the first call. 579 sent/559 received. May just be a good year ahead. <g>

Running 1W with a borrowed K2 and the SLVPV.

Good luck.

de Dave, NF0R nf0r@slacc.com

Date: Thu, 8 Feb 2001 14:57:54 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'n3aaz-qrp@juno.com'" <n3aaz-qrp@juno.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [90994] RE: [TMPS] Gray Line Effect
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA013033C7@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

In my limited experience with 30M, about seven or eight years, I've found that "someone out there" has a hand on the "DX Open/DX NOT open" switch and at variable times, "it" switches it off! Uh-huh.... sometimes 30M is as open as a window to the world and at other times, John, you can't hear anything except a weak WWV signal. You just have to keep an ear open (and tune, tune, tune) all the time.

It's still my next-to-favorite-band (that being 40M for year-'round communication).

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: John R Kirby [SMTP:n3aaz-qrp@juno.com]
> Sent: Thursday, February 08, 2001 7:54 AM
> To: Low Power Amateur Radio Discussion
> Subject: [TMPS] Gray Line Effect
>
>
>
> >>30 meters seems to die on me each night after dark for about 30 mins to
> an<<
> >>hour and then comes back with lots of DX. Haven't figured that one out
> yet<<
>
> Could be the reverse gray line dampening affect.
>
> >>or if it is just this past week that it is doing it. Time will tell.<<
>
> Note the phase of the moon when this happens.
>
> There was also ducting on 2m this morning gray line time.
>
> John
> N3AAZ
> FM 19 xa
>

Date: Thu, 8 Feb 2001 15:02:24 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'prm@hiwaay.net'" <prm@hiwaay.net>, Low Power Amateur Radio Discussion <qrp-
l@lehigh.edu>

Subject: [90995] RE: Lightning concerns

Message-ID:

<E78D8A9D6762D411B5440008C791D4AA013033C8@dfwex03.allegiancetelecom.com>

MIME-Version: 1.0

Content-Type: text/plain

Don't forget, Richard, that it's "Bad Luck to Be Superstitious" !!

Karl K - W8TIF

McKinney, Texas

> -----Original Message-----

> From: Richard Matthews [SMTP:prm@hiwaay.net]

> Sent: Thursday, February 08, 2001 10:37 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Lightning concerns

>

<snip>

> I'm just kidding, I know we need to take precautions, but I always try to
> take the precaution of not being too precautious.

<snip>

> 73,

>

> Richard, WA4NWW

Date: Thu, 8 Feb 2001 15:12:09 -0600

From: Rod Eng <RENG@kimcontrols.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [90996] Newbie wants to get started in QRP----

Message-ID: <338BBD47F927D4118BAA00A0CCE4A5A412E1EA@SGHOST>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Any advice on how to get started with QRP.....i would like to dive in
.....from the discussions I have been reading sounds extremely
interesting!!!

Rod Eng

Sales Product Specialist/ Applications

Kim Controls Distribution Group

10045 Davenport St NE

Blaine, MN 55449

(763)792-1365 Direct Line
(763)792-1395 Fax
reng@kimcontrols.com <reng@kimcontrols.com>

Date: Thu, 8 Feb 2001 16:18:43 -0500
From: Rick Robinson <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [90997] Re: Lightning concerns
Message-ID: <v03102806b6a8ba6995b6@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an old DPDT knife switch on my 450 ohm ladder line. The center terminals connect to the ladderline. One side goes to the Z-match, the other side goes to my earth ground. I flip it to the ground side when I'm not operating. I learned that trick from my Elmer, Charlie, W4DST (SK), who used nothing but old time open wire feeders. His switch was about 3 times the size of my little one. The Wireman sells knife switches for about \$4. Mine is an old ceramic base switch that I picked up at a flea market for \$1.

For coax, I use Blitz Bugs, I think that's what they're called. I found 2 in a box of junk \$.50 coax connectors at a hamfest. They have a female SO-239 on one end and a male PL-259 on the other. There is a terminal on the side for connecting a wire to an earth ground for static discharge. I'm not sure if the switch or Blitz Bugs are working, but so far no smoked gear so I guess they are. We have some really wicked electrical storms in this area of NC.

72,

Rick kf4ar

Date: Thu, 08 Feb 2001 15:15:34 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-L@lehigh.edu
Subject: [90998] DX - Rites of Spring - Eratta
Message-ID: <5.0.2.1.0.20010208151328.00a83150@bbs.galilei.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ooops!

That particular rite of spring took place on 14.028 not 7.028! <g>

Sorry,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 08 Feb 2001 21:21:11
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: RENG@kimcontrols.com
Cc: qrp-1@Lehigh.EDU
Subject: [90999] Re: Newbie wants to get started in QRP-----
Message-ID: <F10741gcljD2E2044cY0000413e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Do you already have an HF radio? Get on the QRP freqs and work some QRP stations! Can you turn the power down to 5 W or less? Even better to work other QRP stations!

Or are your interests in building QRP gear? Check out the various vendors from the NJQRP web site.

There are many sides of QRP, what do you want to do with it? Some people take QRP rigs on camping trips. Others have them at work. Welcome aboard!

73 - Mike WA8BXN

>Any advice on how to get started with QRP.....i would like to dive in
>.....from the discussions I have been reading sounds extremely
>interesting!!!

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 8 Feb 2001 16:23:49 -0500

From: "Victor Blackwell" <victor@brechnet.com>
To: <Karl.Kanalz@allegiancetelecom.com>, "Low Power Amateur Radio Discussion"
<qrp-1@lehigh.edu>
Subject: [91000] Re: [TMPS] Gray Line Effect
Message-ID: <006601c09215\$7044cee0\$5d5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Learn how to read a F2 Critical Frequency near realtime propagation chart
and you will hit it everytime.

Vic AD8K

>In my limited experience with 30M, about seven or eight years, I've found
>that "someone out there" has a hand on the "DX Open/DX NOT open" switch
>and at variable times, "it" switches it off! Uh-huh.... sometimes 30M is
as
>open
>as a window to the world and at other times, John, you can't hear anything
>except
>a weak WWV signal. You just have to keep an ear open (and tune, tune,
tune)
>all the time.
>
>It's still my next-to-favorite-band (that being 40M for year-'round
>communication).
>
>Karl K - W8TIF
>McKinney, Texas
>
>> -----Original Message-----
>> From: John R Kirby [SMTP:n3aaz-qrp@juno.com]
>> Sent: Thursday, February 08, 2001 7:54 AM
>> To: Low Power Amateur Radio Discussion
>> Subject: [TMPS] Gray Line Effect
>>
>>
>>
>> >>30 meters seems to die on me each night after dark for about 30 mins to
>> an<<
>> >>hour and then comes back with lots of DX. Haven't figured that one out
>> yet<<
>>
>> Could be the reverse gray line dampening affect.
>>

>> >>or if it is just this past week that it is doing it. Time will tell.<<
>>
>> Note the phase of the moon when this happens.
>>
>> There was also ducting on 2m this morning gray line time.
>>
>> John
>> N3AAZ
>> FM 19 xa
>>

Date: Thu, 08 Feb 2001 15:18:05 -0600
From: Richard Matthews <prm@hiwaay.net>
To: qrp-l@lehigh.edu
Subject: [91001] RE: Lightning concerns
Message-ID: <3.0.1.32.20010208151805.008f2200@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 15:02 2/8/01 -0600, you wrote:
>Don't forget, Richard, that it's "Bad Luck to Be Superstitious" !!
>
>Karl K - W8TIF
>McKinney, Texas
>
>> I'm just kidding, I know we need to take precautions, but I always try to
>> take the precaution of not being too cautious.
><snip>
>> 73,
.....

What we have here is a bad case of keraunophobia

Richard, WA4NWW

Date: Thu, 8 Feb 2001 15:22:36 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'mwc@okstate.edu'" <mwc@okstate.edu>, Low Power Amateur Radio Discussion
<qrp-l@lehigh.edu>
Subject: [91002] RE: Lightning concerns
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA013033CA@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0

Content-Type: text/plain

Okay, Matthew..... I give up! What the heck is a "GRAUPEL storm" ?

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Matthew Collier/cis/evp/Okstate [SMTP:mwc@okstate.edu]
> Sent: Thursday, February 08, 2001 2:23 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Lightning concerns
>
> Hello all,
>
> I have read this thread with interest as I contemplate putting up my first
> outdoor antennas. Here's my \$0.02 worth...
>
> Back in the late '80's I was standing on top of a building in Provo, UT
> (in
> a valley) watching a graupel storm from under the safety of my umbrella.
> Suddenly, the umbrella started to crackle while my hand started to tingle.
> It was over before I could do anything about it. A few moments later the
> crack of thunder from the main bolt rolled in from off the mountainside.
> Luckily, I was at the end of a feeder rather than at ground zero! Rain
> storms aren't the only things that can cause lightning. Snow and graupel
> storms can do it too. In fact, dad has seen it out of a clear blue sky!
> Moral of the story: Its probably best to disconnect your rig when not in
> use.
>

Date: Thu, 08 Feb 2001 16:30:22 EST
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [91003] Introducing.....
Message-ID: <20010208.152833.4655.0.n5ib@juno.com>

On Thu, 8 Feb 2001 14:23:00 -0600 "Matthew Collier/cis/evp/Okstate"
<mwc@okstate.edu> writes:
>Back in the late '80's I was standing on top of a building in Provo, UT
(in
>a valley) watching a graupel storm from under the safety of my umbrella.
>Suddenly, the umbrella started to crackle while my hand started to
tingle
>72's de Matthew, AD5AP

I sat up and noticed when I saw that post.....

Gang, let me introduce a new ham and QRP'er. Matthew, AD5AP. I suspected he might be on the list but wasn't sure.. A while back Matthew worked with me at LSU in the physics and astronomy dept where he was a grad student with an interest in ham radio but no time. After getting gainful employment :^)) he has taken up the colors and a few months ago went from non-ham to extra in one stroke. Last I heard he's building a Pixie, but I haven't heard him on yet.

Y'all give a good QRP-L welcome to Matthew, y'all heah now..... We'll have him chasing foxii in no time.

72

Jim N5IB

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Thu, 08 Feb 2001 13:35:18 -0800

From: Russ Carpenter <russ@natworld.com>

To: QRP-L List <qrp-l@lehigh.edu>

Subject: [91004] Results of THE FEBRUARY SPARTAN SPRINT

Message-ID: <B6A85110.68E1%russ@natworld.com>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

The February Spartan Sprint was just about perfect. The bands were in good shape and we had a ton of activity and logs. Our decision to promote 80 meters resulted in much more action on this oft-neglected band. Judging from the Soapbox comments, many of you had a great old time rambling around on 80.

For this Sprint only, we gave three points for each contact on 80 meters. Each contact on the other bands received one point. If you didn't tell us the weight of your station, or if it weighed more than T. rex, we assigned a weight of 30 pounds.

The Soapbox has been published separately in the February edition of The ARS Sojourner, which went live today. Don't miss it! <http://www.natworld.com/ars>

THE SKINNY DIVISION (results sorted by points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Points	Wt.	Points/ Pound
AA4XX	Paul	24	0	0	0	0	24	.04	600.00
WJ4P	Randy	30	0	0	0	0	30	.10	300.00
W3TS	Mike	57	0	0	0	0	57	.33	172.73
K04WX	Mike	18	0	0	0	0	18	.28	64.29
N4HAY	Dick	12	0	0	0	0	12	.19	63.16
N7RVD	Brian	0	15	0	0	0	15	.5	30.00
AA8IV	Rich	42	3	8	1	0	54	2.3	23.48
K7TQ	Randy	0	17	0	0	0	17	1.1	15.45
AE6N	Jim	0	17	12	0	0	29	2	14.50
AA7QU	Russ	30	26	18	0	0	74	5.5	13.45
WB6HQB	Bart	24	4	12	0	0	40	3	13.33
K0EVZ	Doc	12	47	0	0	0	59	4.8	12.29
K4FB	Paul	15	25	26	0	0	66	6	11.00
WD7Y	Ed	18	11	7	0	0	36	3.43	10.50
KI0II	Ron	54	1	0	0	0	55	6.1	9.02
AL7OK	John	0	0	17	0	0	17	1.9	8.95
VE3SMA	Steve	0	8	0	0	0	8	1	8.00
KC8LTL	Ken	36	0	0	0	0	36	5	7.20
W1PID	Jim	9	4	5	0	0	18	2.6	6.92
N5IW	David	12	35	23	0	0	70	10.2	6.86
KA9UDA	Roger	0	5	0	0	0	5	.75	6.67
W7SNV	Al	6	7	7	0	0	20	3.7	5.41
K2UD	Howard	0	8	0	0	0	8	1.5	5.33
N0TK	Dan	0	20	0	0	0	20	4	5.00
KF6QKI	Rick	21	5	9	0	0	35	7.8	4.49
KQ6NO	Rick	0	7	0	0	0	7	1.6	4.38
NC90	Skip	6	7	0	0	0	13	3	4.33
KB9LCK	Chris	9	11	1	0	0	21	5	4.20
N9AW	Jerry	81	28	14	0	0	123	30	4.10
VE3FAL	Fred	0	23	1	0	0	24	6	4.00
KB7MBI	Alan	0	8	11	0	0	19	6	3.17
N0IBT	Dave	0	12	8	0	0	20	6.5	3.08
AB5XQ	Bill	0	7	2	0	0	9	3	3.00
NN5B	Jerry	12	0	1	0	0	13	5	2.60
K7QF	Brian	18	6	6	0	0	30	13.25	2.26
WA4SQM	Ken	9	0	0	0	0	9	4	2.25
K7PX	Steve	0	0	11	0	0	11	5	2.20
WA9TZE	Jim	51	3	2	0	0	56	30	1.87
N7LT	Lyndel	18	13	0	0	0	31	20	1.55
W9SUL	Dave	33	10	3	0	0	46	30	1.53
KA8LLE	Ben	39	7	0	0	0	46	30	1.53
AD4J	Jim	24	18	1	0	0	43	30	1.43

K2UJ	George	30	10	0	0	0	40	30	1.33
AL7FS	Jim	0	21	9	0	0	30	30	1.00
AB0GO	David	0	12	0	0	0	12	12	1.00
W0UFO	Merrt	0	25	4	0	0	29	30	0.97
W0CH	David	0	14	9	0	0	23	30	0.77
AC4WC	John	6	14	2	0	0	22	30	0.73
VE3XT	Bill	0	21	0	0	0	21	30	0.70
WD5AGO	Tom	12	1	3	0	0	16	30	0.53
WF6D	Bill	12	0	2	0	0	14	30	0.47
N7LYV	Jim	3	2	7	0	0	12	30	0.40
N5WL	Bart	0	8	2	0	0	10	30	0.33
WV9N	Randy	0	7	3	0	0	10	30	0.33
N4UY	Jake	0	8	0	0	0	8	30	0.27
WD9F	Woody	3	0	1	0	0	4	30	0.13
K5HWT	Morg	0	1	0	0	0	1	30	0.03

THE TUBBY DIVISION (results sorted by points)

Call	Name	80m	40m	20m	15m	10m	Total Points
N9AW	Jerry	81	28	14	0	0	123
AA7QU	Russ	30	26	18	0	0	74
N5IW	David	12	35	23	0	0	70
K4FB	Paul	15	25	26	0	0	66
K0EVZ	Doc	12	47	0	0	0	59
W3TS	Mike	57	0	0	0	0	57
WA9TZE	Jim	51	3	2	0	0	56
KI0II	Ron	54	1	0	0	0	55
AA8IV	Rich	42	3	8	1	0	54
W9SUL	Dave	33	10	3	0	0	46
KA8LLE	Ben	39	7	0	0	0	46
AD4J	Jim	24	18	1	0	0	43
WB6HQB	Bart	24	4	12	0	0	40
K2UJ	George	30	10	0	0	0	40
WD7Y	Ed	18	11	7	0	0	36
KC8LTL	Ken	36	0	0	0	0	36
KF6QKI	Rick	21	5	9	0	0	35
N7LT	Lyndel	18	13	0	0	0	31
AL7FS	Jim	0	21	9	0	0	30
K7QF	Brian	18	6	6	0	0	30
WJ4P	Randy	30	0	0	0	0	30
AE6N	Jim	0	17	12	0	0	29
W0UFO	Merrt	0	25	4	0	0	29
VE3FAL	Fred	0	23	1	0	0	24
AA4XX	Paul	24	0	0	0	0	24
W0CH	David	0	14	9	0	0	23

AC4WC	John	6	14	2	0	0	22
VE3XT	Bill	0	21	0	0	0	21
KB9LCK	Chris	9	11	1	0	0	21
W7SNV	Al	6	7	7	0	0	20
N0TK	Dan	0	20	0	0	0	20
N0IBT	Dave	0	12	8	0	0	20
KB7MBI	Alan	0	8	11	0	0	19
K04WX	Mike	18	0	0	0	0	18
W1PID	Jim	9	4	5	0	0	18
AL70K	John	0	0	17	0	0	17
K7TQ	Randy	0	17	0	0	0	17
WD5AGO	Tom	12	1	3	0	0	16
N7RVD	Brian	0	15	0	0	0	15
WF6D	Bill	12	0	2	0	0	14
NC90	Skip	6	7	0	0	0	13
NN5B	Jerry	12	0	1	0	0	13
N4HAY	Dick	12	0	0	0	0	12
AB0GO	David	0	12	0	0	0	12
N7LYV	Jim	3	2	7	0	0	12
K7PX	Steve	0	0	11	0	0	11
N5WL	Bart	0	8	2	0	0	10
WV9N	Randy	0	7	3	0	0	10
AB5XQ	Bill	0	7	2	0	0	9
WA4SQM	Ken	9	0	0	0	0	9
N4UY	Jake	0	8	0	0	0	8
VE3SMA	Steve	0	8	0	0	0	8
K2UD	Howard	0	8	0	0	0	8
KQ6NO	Rick	0	7	0	0	0	7
KA9UDA	Roger	0	5	0	0	0	5
WD9F	Woody	3	0	1	0	0	4
K5HWT	Morg	0	1	0	0	0	1

Thanks for supporting the Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 08 Feb 2001 16:52:17 -0500
 From: Ron Majewski <majewski@erim-int.com>
 To: qrp-l <qrp-l@lehigh.edu>
 Subject: [91005] FOX: W8RU Cub Fox Hunt #33 Preliminary Log & Comments
 Message-ID: <3A831511.46DCCBFA@erim-int.com>
 MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

It surely was a great night for Fox hunting last night! Signal levels were way up, the noise was low, and a lot of hounds were in the field. Outstanding!

K9IUA, Kevin, grabbed the first pelt right out of the blocks and he was followed by Doc, K0EVZ. The pileup was much larger than I expected -- callers were spaced more in time on my last hunt.

The lowest-powered caller for the evening was Dan, N4ROA who was running 100mW. James, KU4TN, was running 500mW.

At 0300utc I had to QSY from 7038 kHz to 7042 kHz because a BC station fired up and engulfed me in an s9+ AM signal. The pack was undeterred.

Here is the preliminary log for your review. I made 50 QSOs in my two hour window.

Thanks to all you hounds for another great hunt!

72/3,

Ron (W8RU).

0202	K9IUA	559	ND	KEVIN	5W
0203	K0EVZ	589	ND	DOC	2W
0205	AC5JH	559	OK	TOM	5W
0207	W9WIS	559	WI	MIKE	5W
0208	W0CH	579	MO	DAVE	2W
0209	KK5LD	599	TX	DAN	5W
0211	K5DI	549	NM	KARL	5W
0213	K5HKX	579	TX	PAUL	5W
0214	W3SMK	599	NJ	STEVE	5W
0216	N4VM	559	TN	BRYN	5W
0218	KB3EOF	559	MD	MURPHY	1W
0219	KU4TN	559	VA	JAMES	500MW
0221	K4TJD	559	GA	TOM	5W
0222	AF4PS	559	FL	MAC	4W
0224	N4ROA	559	VA	DAN	100MW
0225	KV4EE	559	SC	CRAIG	5W
0227	WB8WTU	599	OH	DENNIS	5W
0230	N8VAR	559	OH	RON	5W

0231	W3PNL	589	PA	JOE	5W
0233	N04D	559	SC	KEN	2W
0234	K4BYF	559	FL	JACK	5W
0236	KC1FB	559	CT	JIM	5W
0237	AJ4AY	599	AL	JAY	3W
0239	WB8ICN	589	MI	MIKE	5W
0240	K50I	559	NM	TIM	5W
0241	K4GT	559	GA	JIM	5W
0242	AB5XQ	559	AR	BILL	5W
0244	AA7XA	559	OR	FRANK	5W
0246	W3ERU	559	MD	WES	5W
0247	NV4V	559	KY	PETE	5W
0249	KB9BVN	579	IN	BRIAN	5W
0251	KJ0C	559	MO	JIM	5W
0252	N10DL	559	NH	ARON	4W
0254	N0TU	599	CO	STEVE	1W
0255	KI0II	559	CO	RON	5W
0300	K5ZTY	559	TX	BILL	5W
0302	W5YR	559	TX	GEORGE	5W
0308	KG4HTT	599	VA	VIC	2W
0309	VE3FAL	599	ONT	FRED	5W
0311	KG4FGC	559	NC	KEN	5W
0313	W2XN	589	FL	FRED	5W
0315	K5DW	559	TX	DON	5W
0317	WU9F	559	WI	TERRY	5W
0319	WA7TQK	559	ID	BILL	5W
0321	AA7EQ	559	AZ	BOB	5W
0323	AC7CF	579	UT	ANDREW	5W
0326	AF4LQ	339	KY	MIKE	4W
0341	KR5C	559	TX	GEORGE	5W
0348	KK70Q	449	OR	JIM	5W
0353	WK6I	559	CA	JEFF	5W

Date: Thu, 08 Feb 2001 15:53:43 -0600
 From: "DONALD G. DORN" <DDORN@CWIS.NET>
 To: Low Power Amateur Radio <QRP-L@LEHIGH.EDU>
 Subject: [91006] NE 602/NE 612
 Message-ID: <3A831567.4083F441@CWIS.NET>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Thanks to a tip from Mike WA8BXN I found NE 612's at Radio Shack online.
 Here is the url for anybody who is interested.

<http://www.radioshack.com/category.asp?>

catalog%5Fname=CTLG&category%5Fname=CTLG%5F010%5F005%5F002%5F006&Page=1

73,
Don K5AAR

Date: Thu, 8 Feb 2001 13:53:34 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: rochu01@mail.win.org, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [91007] Re: Lightning concerns
Message-ID: <20010208215334.29170.qmail@web803.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Don't forget the rotator control line and the power cord to the control box. It is the little things which get you. DISCONNECT AND UNPLUG when not in use anything which you want to keep. The disconnected lines from the outside should be grounded as well. Ant feed and rotor.

Lived in an area for a couple of years where two rivers came together, many storms during the spring and summer. Had the ball of blue pop out of a wall plug, run around the baseboard of the room , and exit through another plug. My own light show. This was form hits out to a half mile. Never had a direct hit.

There should be no way a charge can get to your table or desk when the rig is not in use. Never set the power supplies on the floor, if you do, disconnect the lines from the rigs and lay them on the floor(the lines, not the rigs).

73 and good luck, storm season is just around the corner.

Bill

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Thu, 8 Feb 2001 16:51:51 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <RENG@kimcontrols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [91008] Re: Newbie wants to get started in QRP----
Message-ID: <00a701c0921a\$33784960\$6a440f3f@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rod, there are lots of ways to get into QRP - you didn't say where you were starting, SO;

If you already have a transceiver;
Step 1: Turn the power on your existing transmitter down to 5 watts and operate.
Step 2a: Obtain a QRP transceiver OR -
Step 2b: Build a QRP transmitter and perhaps a receiver.
The K2 is a great choice if you are into building.

No matter how you do it - get on the air with 5 watts or less and you have started with QRP

OTOH, If you don't have a transceiver, get one of the QRP type and get on the air. A good receiver and the best antenna that you can put up will go a long way to helping you make contacts - but beware that there are minimalists among us who use nothing more than a wet string and a crystal set <g>

73,

Don Wilhelm -Chapel Hill, NC W3FPR home page:
<http://www.w3fpr.webprovider.com>
QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

----- Original Message -----

From: "Rod Eng" <RENG@kimcontrols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 08, 2001 4:12 PM
Subject: Newbie wants to get started in QRP----

> Any advice on how to get started with QRP.....i would like to dive in
>from the discussions I have been reading sounds extremely
> interresting!!!
>
>
>

> Rod Eng
> Sales Product Specialist/ Applications
> Kim Controls Distribution Group
> 10045 Davenport St NE
> Blaine, MN 55449
>
> (763)792-1365 Direct Line
> (763)792-1395 Fax
> reng@kimcontrols.com <reng@kimcontrols.com>
>
>
>

Date: Thu, 8 Feb 2001 16:06:39 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <ku7y@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [91009] Re: RF/AF gain and AGC
Message-ID: <010601c0921b\$8fe20320\$0200a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was listening on 10 meters recently, up in the phone portion and heard a guy talking. It took me a while to be convinced that he was in deed on SSB. My initial thought was AM. Of course tuning off freq. a bit plus the fact that the mode switch on my rig was on USB told the truth.

I can't remember the last time I heard a SSB station sound so good. Nope, don't remember his call, or the model of radio, other than that it was an Icom. That's all I know about it.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----
From: "Ron, KU7Y" <ku7y@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, February 08, 2001 10:24 AM
Subject: Re: RF/AF gain and AGC

>
> Find an old receiver like a 75A1 and listen to some SSB. You will soon
> understand just how nice the new system is!
>

Date: Thu, 8 Feb 2001 16:54:04 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <fxtech@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [91010] Re: 72 vs 73
Message-ID: <200102082141.QAA04853@mail1.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 2/7/01 14:44, Trevor Jacobs at fxtech@earthlink.net wrote:

>Actually I've asked several local hams about the meaning of "72" and haven't
>gotten an answer yet. I usually get a blank stare or "Huh?". Also haven't
>found it listed in any of the operating manuals that I have. Maybe this is
>one of those unanswerable questions ;-) I'd love to know what it means
>though, and it's origins...

I always heard that it was because you didn't have quite enough power to
make "73".

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 08 Feb 2001 16:05:35 -0600
From: Richard Matthews <prm@hiwaay.net>
To: w3fpr@arrl.net, qrp-l@lehigh.edu
Subject: [91011] Re: Newbie wants to get started in QRP----
Message-ID: <3.0.1.32.20010208160535.01747b30@hiwaay.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

but beware that there are
>minimalists among us who use nothing more than a wet string and a crystal
>set <g>
>
>73,
>Don Wilhelm -Chapel Hill, NC

.....

And be sure to unplug that crystal set and ground that wet string during
lightning storms.<g>

Richard, WA4NWW

Date: Thu, 08 Feb 2001 16:14:18 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [91012] RE: Lightning concerns
Message-ID: <Pine.OSF.4.31.0102081612370.20879-1000000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Thu, 8 Feb 2001, Kanalz, Karl wrote:

> Okay, Matthew..... I give up! What the heck is a "GRAUPEL storm" ?
>

graupel:

A lightly rimed ice aggregate often found in vigorous storms. Formed
when an ice aggregate collects supercooled liquid water droplets.

There is a nice glossary of meterological terms at:

http://www-cmpo.mit.edu/Radar_Lab/Glossary.html

Brian.

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>

VE5RDV

Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

Date: Thu, 8 Feb 2001 16:15:07 -0600
From: "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>
To: qrp-1@Lehigh.EDU
Subject: [91013] OT: Graupel
Message-ID: <OFC8ADE78B.2E8106CE-ON862569ED.007653AB@cis.okstate.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

My reference to graupel in the "RE: Lightning concerns" thread seems to have generated some interest. <grin> Sorry to use the bandwidth for OT, but I suspect there are others out there with the same question,... "What's graupel?!"

Graupel consists of rounded pellets of frozen precipitation, forming as snowflakes fall through supercooled, albeit liquid, cloud droplets. The droplets accrete as rime ice on the snowflake forming a rounded pellet. I've only seen it a couple of times in my life which might explain why I was standing out in it attracting lightning!

72's de Matthew, AD5AP

Date: Thu, 8 Feb 2001 14:17:21 -0800
From: <schoon@amgt.com>
To: <qrp-1@Lehigh.EDU>, <mwc@okstate.edu>
Subject: [91014] RE: Graupel
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BD-010208221721Z-1536@mail.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Don't we call this hail??

.mark

>-----

>From: Matthew Collier/cis/evp/Okstate[SMTP:mwc@okstate.edu]

>Sent: Thursday, February 08, 2001 2:15 PM

>To: Low Power Amateur Radio Discussion

>Subject: OT: Graupel

>

>My reference to graupel in the "RE: Lightning concerns" thread seems to
>have generated some interest. <grin> Sorry to use the bandwidth for OT,
>but I suspect there are others out there with the same question,..."What's
>graupel?!"

>

>Graupel consists of rounded pellets of frozen precipitation, forming as
>snowflakes fall through supercooled, albeit liquid, cloud droplets. The
>droplets accrete as rime ice on the snowflake forming a rounded pellet.
>I've only seen it a couple of times in my life which might explain why I
>was standing out in it attracting lightning!

>

>72's de Matthew, AD5AP

>

>

>

Date: Thu, 8 Feb 2001 16:27:50 -0600

From: "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>

To: qrp-l@Lehigh.EDU

Subject: [91015] Re: Introducing.....

Message-ID: <0F397DF655.44B798E9-ON862569ED.007A3F7F@cis.okstate.edu>

MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

Thank you for that very gracious introduction Jim! I suppose that I'll
have to finish that Pixie II now <sheepish grin>. If there is anything I
can say in my defense for taking so long, its that I'm enjoying the journey
rather than the destination. I DO however look forward to getting on the
HF airwaves with it.

I listen in on QRP-L by reading the website archives a few times a day
(less distracting than inpouring email). I am learning LOTS of stuff from
your collective wisdom. Thank you.

72's de Matthew, AD5AP

Date: Thu, 8 Feb 2001 15:37:04 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [91016] RE: Lightning concerns
Message-ID: <Pine.SUN.4.10.10102081531300.27097-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 8 Feb 2001, Kanalz, Karl wrote:

> Okay, Matthew..... I give up! What the heck is a "GRAUPEL storm" ?

I think it's some weird ice-snow thingie ... but more important is I think it's the cause of that 30M REVERSE GREY-LINE DAMPENING EFFECT noted earlier by John N3AAZ :-). It could even be the cause of self-healing FET's!

John - you coined quite a phrase there. I loved it!

72, Paul NA5N

Date: Thu, 8 Feb 2001 17:33:30 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [91017] Re: RF/AF gain and AGC
Message-ID: <00bd01c0921f\$2a3c24c0\$5d5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was surely Wide Band SSB. It is illegal on ham bands. The Commission has not cracked down on this yet do to priorities. You can bypass your SSB filters and sound just as beautiful. But I ain't going your bail. Read Part 97 and you will see what is wrong with that sort of operation. Yes, it really sounds good on a receiver with 8 Khz. band pass on receive.

Vic AD8K

>I was listening on 10 meters recently, up in the phone portion and heard a
>guy talking. It took me a while to be convinced that he was in deed on
SSB.
>My initial thought was AM. Of course tuning off freq. a bit plus the fact
>that the mode switch on my rig was on USB told the truth.
>
>I can't remember the last time I heard a SSB station sound so good. Nope,

Date: Thu, 8 Feb 2001 22:25:49 +0000
From: Euramcom <mel@euramcom.freesevice.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [91018] Lightning Strikes
Message-ID: <E14QzhL-0006LK-00.2001-02-08-22-37-55@mail3.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Gangue,

Been watching this thread and awaiting some of the power-line=
guys to
put in an answer, but not so far. OK here goes guys!

Stop and think about what you are dealing with here. Go look up=
the
figures (average figures) for what a bolt of lightning actually=
is in
terms of current, and volts. The figures are horrendous. If=
you've
seen the recent programmes on Public Service TV about Tsunami=
tidal
waves, then translate this into current and volts as a mental
picture, then multiply that by, say ten or a hundred then you=
might
be coming close!

You could think of it as the Earth (the planet) being one plate=
of a
capacitor, and the clouds (sky) as the other if that helps you to=
visualize the concept, try to imagine what happens when a=

capacitor
that size discharges.

I have seen an 8ft high palisade solid galvanised fence 27 ft= long,
embedded into the ground into concrete around 5ft deep hit by a strike- - - vaporised!

I have seen an earth mat built to withstand 33Kv fault currents= at a
sub station, consisting of spikes embedded a minimum of 6 ft into= the
ground totalling 50 in number, and joined using 2in by 1/4 inch= thick
copper tape and hit by a strike - - likewise vaporised, just some=
melted and re-formed copper blobs, like a solder blob only=
larger.

The energy dissipated in a direct strike is awesome! Frankly, you=
will not be able to do anything other than a minimal damage
limitation exercise where a direct strike is concerned. But the=
other
problem is the unpredictability of the whole thing. Seemingly=
similar
or identical situations can and will produce entirely different
results. Best you can do is to take the general advice offered=
and do
the disconnect thing. Forget trying to "bleed" off a strike, you=
would need a whole copper mine to produce thick enough stuff to=
even
begin the job, never mind finish it.

Oh, and remember, the strike normally goes from ground up, and=
not as
the world sees it, from the clouds down! So there!

Take care, do not use towers, antennae, long wires or whatever=
during
a local storm. Do not climb towers during a storm, even if your=
best
rig is connected to the antenna at the top, a rig can be=
replaced,
your life cannot! Lightning protection is MEANT to burn out, and=
by
doing so provide a path to (from) ground that helps prevent=

buildings
or whatever being damaged, so it's a bit like a fuse (GRIN*8>})=
- -
- - - - and what happens to a fuse when it operates? yeah, it=
blows.
So does lightning protection. If you get a near strike, you=
should
get all of your lightning protection checked out and replaced as=
a
safety measure.

Regards

Mel

Purists: flame suit on, this is meant for illustration only, NOT=
as a
techie discourse on lightning strike capabilities!
--72 and 73 de Mel Evans, e-mail mel@euramcom.freemove.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freemove.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Thu, 8 Feb 2001 17:41:42 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <Doug.Davies@gems3.gov.bc.ca>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [91019] RE: MP-1 Antenna
Message-ID: <GCECIJFJPOHMCKACOA0BKEKKCCAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doug -- VA7DD:

Info about W6MMA's MP-1 antenna is at: <http://www.superantennas.com/>

73,

Jake -- N4UY

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Davies, Doug A FOR:EX
Sent: Thursday, February 08, 2001 1:02 PM
To: Low Power Amateur Radio Discussion
Subject: MP-1 Antenna

Where can I find out more information about the MP-1 HF antenna. Saw it on
George Herron's web site and would like to know more.

Doug VA7DD
MailTo:Doug.Davies@gems3.gov.bc.ca

Date: Thu, 8 Feb 2001 17:48:38 -0500
From: "Victor Blackwell" <victor@brechnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, <cw-digest@qth.net>,
"John Lochey" <JLochey@IDESIGN.com>
Subject: [91020] Re: [CW] CW Questions...
Message-ID: <00df01c09221\$47db3be0\$5d5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any radio club worth belong too has a "Skills Group" They should be
teaching basic skills all the time.

Vic AD8K

Date: Thu, 8 Feb 2001 14:48:00 -0800
From: Mike Gipe <mgipe@reliablemeters.com>
To: na5n@rt66.com, "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>
Subject: [91021] RE: Lightning concerns
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928F410@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Soon to be a major motion picture, "The Graupel Storm" starring Arnold Swarzenaeger as the romantic lead.

"I was blown away!" (The New York Times)

"As emotionally charged as a snow ball down the back" (Washington Post)

"More thrilling than a coronal mass ejection!" (Paul Harden)

"I laughed. I cried. I burst my gate-channel insulation." (Bruce Muscolino)

74,
Mike K1MG

> I think it's some weird ice-snow thingie ... but more important is I
> think it's the cause of that 30M REVERSE GREY-LINE DAMPENING
> EFFECT noted
> earlier by John N3AAZ :-) It could even be the cause of self-healing
> FET's!
>
> John - you coined quite a phrase there. I loved it!
>
> 72, Paul NA5N
>
>

Date: Thu, 08 Feb 2001 14:57:05 -0800
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [91022] HF Mobile Antenna Mount
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F4309980179@blaze.bcsc.GOV.BC.CA>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

A couple of guys in our club plus myself are thinking of building the "\$20 Mobile HF Antenna" as described in the April 2000 QST. The construction utilizes a "standard mount" to hook it to the vehicle. The top of the mount accepts a 3/8 X 24 bolt and the bottom is a female PL-259 connector. I've checked with our local Radio Shack and they have never heard of one. Does anyone know where I might pick these up?

Doug VA7DD
MailTo:Doug.Davies@gems3.gov.bc.ca

Date: Thu, 08 Feb 2001 18:09:36 -0500
From: david fouchey <dafouchey@home.com>
To: schoon@amgt.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [91023] Re: Graupel
Message-ID: <3A832730.C8B3B05F@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not quite, Ice granules repeatedly falling and and rising within a Thunder Storm build up succeeding layers of ice until the updrafts can no longer lift them and they fall as Hail. Similar concept different enough to have differing names. Neat info though, thanks Matthew.

As someone else who has been foolish enough to stand out in Thunderstorms for the simple beauty of them. I might add having lived in both Southern and Northern Florida I have been much TOO up close and personal with Thunderstorms.. I'm just glad to be back up here in Snow Country again.

Dave
WA4EMR/8
schoon@amgt.com wrote:

>
> Don't we call this hail??
>
> .mark
>
> >-----
> >From: Matthew Collier/cis/evp/Okstate[SMTP:mwc@okstate.edu]
> >Sent: Thursday, February 08, 2001 2:15 PM
> >To: Low Power Amateur Radio Discussion
> >Subject: OT: Graupel
> >
> >My reference to graupel in the "RE: Lightning concerns" thread seems to
> >have generated some interest. <grin> Sorry to use the bandwidth for OT,
> >but I suspect there are others out there with the same question,..."What's
> >graupel?!"
> >
> >Graupel consists of rounded pellets of frozen precipitation, forming as
> >snowflakes fall through supercooled, albeit liquid, cloud droplets. The

> >droplets accrete as rime ice on the snowflake forming a rounded pellet.
> >I've only seen it a couple of times in my life which might explain why I
> >was standing out in it attracting lightning!
> >
> >72's de Matthew, AD5AP
> >
> >
> >

Date: Thu, 8 Feb 2001 18:20:31 -0500
From: "Mark Fancher" <mmfancher@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [91024] FT-817 vs TS-50
Message-ID: <001c01c09225\$bdc31d60\$f82c56d1@GEARemote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

All:

Don't we all just love to compare ham gear?

The TS-50 is less expensive than the FT-817, but the TS-50 gives you 100W
(if you want it).

I'm considering purchasing one or the other. Can someone out there who
maybe is familiar with both products tell me which is the best value? Does
the FT-817 give you stellar performance at QRP output?

Thanks!

Mark Fancher, W09G
mmfancher@earthlink.net

Date: Thu, 08 Feb 2001 18:48:35 -0500
From: Tim Soxman <tims@hhs.net>
To: dafouchey@home.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [91025] Re: Graupel
Message-ID: <3A833053.F9A93C73@hhs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I thought graupel was that stuff Pennsylvania Dutch folks fried up for breakfast!

Tim W3ZVT

Date: Thu, 8 Feb 2001 18:35:33 -0500
From: "Victor Blackwell" <victor@brechnet.com>
To: <tims@hhs.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [91026] Re: Graupel
Message-ID: <011001c09227\$d57d1c60\$5d5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You will get thrown in jail if you do it to a stranger of the opposite sex on a Dept. store elevator.

88k

Subject: Re: Graupel

>I thought graupel was that stuff Pennsylvania Dutch folks fried up for
>breakfast!
>
>Tim W3ZVT
>

Date: Thu, 08 Feb 2001 15:54:54 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: mmfancher@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [91027] Re: FT-817 vs TS-50
Message-ID: <3A8331CE.B2BBC216@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The TS-50 is a very nice rig (had one!), but HF only. The FT-817, while qrp, covers 6, 2 and 440 with all modes. So it would be useful for VHF/UHF hilltopping on foot. And it so so small!

Must add I do not have an 817; I'm resisting (so far)!

Phil W70X

Mark Fancher wrote:

>
> All:
>
> Don't we all just love to compare ham gear?
>
> The TS-50 is less expensive than the FT-817, but the TS-50 gives you 100W
> (if you want it).
>
> I'm considering purchasing one or the other. Can someone out there who
> maybe is familiar with both products tell me which is the best value? Does
> the FT-817 give you stellar performance at QRP output?
>
> Thanks!
> Mark Fancher, W09G
> mmfancher@earthlink.net

End of QRP-L Digest 2092

